



STATISTICAL YEARBOOK OF UKRAINE

2020

2020

STATISTICAL YEARBOOK OF UKRAINE



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The Statistical Yearbook provides data on social and economic situation of Ukraine in 2020 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.



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FOREWORD

Statistical Yearbook of Ukraine for 2020 contains a wide range of statistical indicators on the country's social and economic situation in 2020 as compared to 2000, 2005, 2010, 2015–2019.

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, 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 2020 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 2014–2020 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, 2021	41,6 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 (Zakarpattia 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 2020

(source: the Ukrainian Hydrometeorological center; mm)

Steppe	387	Forest	720
Forest-steppe	539	Kyiv city	580

Air temperature

(source: the Ukrainian Hydrometeorological center; °C)

Average monthly air temperature in 2020

	<i>January</i>	<i>July</i>
Steppe	0,6	23,7
Forest-steppe	0,2	20,9
Forest	0,5	19,6
Kyiv city	0,8	21,9

The absolute minimum of air temperature in 2020 – minus 23° – was observed in February in the Zaporizhzhya regions.

The absolute maximum of air temperature in 2020 – plus 41° – was observed in July in the Luhansk 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			
		<i>(sq.km of water surface)</i>	
Lakes		Estuaries	
Yalpuh	149	Dniproviskyi	800
Kagul	90	Utyutskyi	700
Kugurluy	82	Dnistrovskyi	360
Sasyk	75,3	Sasyk (Kunduk)	210
Katlabuh	68	Molochnyi	168
		Buzkyi	162
		Tylihulskyi	80

Highest mountain peaks			
		<i>(m)</i>	
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 10.6

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 organisations¹

<i>(beginning of year)</i>								
	2001	2006	2011	2016	2018	2019	2020	2021
Total, units	24311	30507	33977	35709	36184	36739	36796	37049
Centers, departments (eparchies, dioceses, etc)	241	299	362	378	384	391	390	394
Communities	23400	29262	32521	34183	34637	35162	35210	35453
Monasteries	277	386	459	516	522	531	536	536
Missions	214	309	357	359	367	368	369	372
Brotherhoods	53	76	78	75	72	83	84	85
Theological schools	126	175	200	198	202	204	207	209
Number of clergy, persons	22626	28431	30199	31851	31952	32619	32996	33013
Number of Sunday schools, units	7684	12522	12762	12171	13282	13195	13134	13097

¹ Beginning 2001–2020, data of the Ministry of Culture and Information Policy of Ukraine, 2021, data of the State Service of Ukraine for Ethnopolitics and Freedom of Conscience

Of the total religious organisations as of January 1, 2021, 19867 were Orthodox, 5280 Catholic, 10774 Protestant, 372 communities of Judaic denomination, 291 Moslem, 168 of Eastern cults and 297 other. In addition, 1677 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, 2021)*

	Rayons	Territorial communities	Cities	City districts	Townships	Villages
Ukraine	140	1469	461	108	882	28372
Autonomous Republic of Crimea ¹	14	—	16	3	56	947
oblasts						
Vinnysya	6	63	18	—	29	1456
Volyn	4	54	11	—	22	1054
Dnipropetrovsk	7	86	20	18	45	1436
Donetsk	8	66	52	21	131	1115
Zhytomyr	4	66	12	2	43	1613
Zakarpattia	6	64	11	—	19	578
Zaporizhzhya	5	67	14	7	22	914
Ivano-Frankivsk	6	62	15	—	24	765
Kyiv	7	69	26	—	30	1126
Kirovohrad	4	49	12	2	27	991
Luhansk	8	37	37	4	109	780
Lviv	7	73	44	6	34	1850
Mykolayiv	4	52	9	4	17	885
Odesa	7	91	19	4	33	1122
Poltava	4	60	16	5	20	1805
Rivne	4	64	11	—	16	999
Sumy	5	51	15	2	20	1455
Ternopil	3	55	18	—	17	1023
Kharkiv	7	56	17	9	61	1673
Kherson	5	49	9	3	31	656
Khmelnyskiy	3	60	13	—	24	1414
Cherkasy	4	66	16	2	14	824
Chernivtsi	3	52	11	—	8	398
Chernihiv	5	57	16	2	29	1464
cities						
Kyiv	—	—	1	10	—	—
Sevastopol ¹	—	—	2	4	1	29

¹ Changes in the administrative-territorial structure of the Autonomous Republic of Crimea and the Sevastopol City Council will be made since the entry into force of subparagraph 1 of paragraph 1 and subparagraph 1 of paragraph 3 of the Resolution of the Verkhovna Rada of Ukraine № 807-IX "On formation and liquidation of districts" of July 17, 2020 as well as Resolution of the Verkhovna Rada of Ukraine № 1352-VIII "On renaming of certain settlements and districts of the Autonomous Republic of Crimea and the city of Sevastopol" of May 12, 2016

BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

1.4. Basic social and economic indicators

	2000	2005	2010	2015	2017	2018	2019	2020
Gross domestic product (at current prices) ¹ , bln. UAH	176,1	457,3	1120,6	1988,5	2981,2	3560,3	3977,2	4191,9
per capita ¹ , UAH	3582	9709	24429	46413	70170	84228	94633	100415
Population income, bln. UAH	128,7	381,4	1101,2	1772,0 ¹	2652,1 ¹	3248,7 ¹	3744,1 ¹	3972,4 ¹
Consumer price index (Dec. over Dec. of the previous year), percent	125,8	110,3	109,1	143,3	113,7	109,8	104,1	105,0
Industrial producer price index (Dec. over Dec. of the previous year), percent	120,8	109,5	118,7	125,4	116,5	114,2	92,6	114,5
Price indices for agricultural products sold by enterprises (of the previous year), percent	155,8	108,1	130,0	154,5	111,5	109,3	92,4	119,2
Consolidated budget, bln. UAH								
Revenue	49,1	134,2	314,5	652,0	1017,0	1184,3	1289,8	1376,7
Expenditure	48,2	141,7	377,8	679,9	1057,0	1250,2	1372,4	1595,4
Lending	-0,1	0,3	1,3	3,1	2,1	1,9	4,8	5,7
Excess of expenditure over revenue (deficit)	-1,0	7,8	64,7	30,9	42,1	67,8	87,3	224,5
Profit before taxation, bln. UAH	36,1	89,2	212,0	475,3	674,4	746,5	933,2	848,6
Loss before taxation, bln. UAH	22,2	24,8	153,7	815,4	399,6	317,4	268,3	545,4
Industrial products sold, bln. UAH	...	...	1065,8	1776,6	2625,9	3045,2	3019,4	3201,9
Capital investment, bln. UAH	...	111,2 ²	189,1	273,1	448,5	578,7	624,0	508,2

BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

Table 1.4 continued

	2000	2005	2010	2015	2017	2018	2019	2020
Freight shipped by all type of carriers ³ , bln.t	1,5	1,8	1,8	1,5	1,6	1,6	1,6	1,6
Passenger departure (transportation) by transport of general use ⁴ , bln.	7,8	8,2	6,8	5,2	4,6	4,5	4,3	2,6
Exports of goods and services ⁵ , bln. USD	18,0	40,2	62,8	46,8	52,6	57,3	64,0	59,4
Imports of goods and services ⁵ , bln. USD	15,1	39,1	66,2	43,0	55,1	63,5	67,7	60,0
Resident population (end of year), mln.	48,7	46,7	45,6	42,6	42,2	42,0	41,7	41,4
Natural increase, decrease (–) in population, thsd.	–373,0	–355,9	–200,5	–183,0	–210,1	–251,8	–272,3	–323,4
Total employed, aged 15–70, thsd.	20175,0	20680,0	20266,0	16443,2	16156,4	16360,9	16578,3	15915,3
Unemployed, aged 15–70 (ILO methodology), thsd.	2655,8	1600,8	1785,6	1654,7	1698,0	1578,6	1487,7	1674,2
Unemployment rate, aged 15–70 (ILO methodology), percent	11,6	7,2	8,1	9,1	9,5	8,8	8,2	9,5
Average monthly nominal wages ⁶ , UAH	230	806	2239	4195	7104	8865	10497	11591

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 Including VAT

³ Since 2005, including commercial cargo transportation by natural persons-entrepreneurs

⁴ Including automobile passenger transportation by small businesses (natural and legal persons)

⁵ 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)

⁶ 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	2017	2018	2019	2020
Gross domestic product (at the prices of the previous year)	105,9	103,1 ¹	104,1 ¹	90,2 ¹	102,4 ¹	103,5 ¹	103,2 ¹	96,0 ¹
per capita	106,7	103,8 ¹	104,5 ¹	90,6 ¹	102,8 ¹	104,0 ¹	103,8 ¹	96,6 ¹
Population income	104,1	123,9	117,1	79,6 ¹	110,9 ¹	110,9 ¹	109,0 ¹	102,6 ¹
Profit before taxation	...	121,0	147,5	142,1	128,8	110,7	125,0	90,9
Loss before taxation	...	85,2	81,4	95,0	73,2	79,4	84,5	203,3
Industrial production ²	113,2	103,1	112,0	87,7	101,1	103,0	99,5	95,5
Agricultural production	109,8	100,1	98,5	95,2	97,8	108,2	101,4	89,9
Capital investment ³	...	...	...	98,3	122,1	116,4	115,5	61,8
Freight shipped by all type of carriers	99,5	104,3	108,7	90,8	102,6	103,9	96,1	103,9
Passenger departure (transportation) by transport of general use	98,3	102,5	94,1	87,5	100,3	96,5	95,0	60,3
Turnover of retail trade ⁴	106,6	122,4	109,8	80,2	106,5	106,2	110,3	107,6
Exports of goods and services	×	106,2	128,0	73,0	116,6	108,9	111,8	92,7
Imports of goods and services	×	125,8	130,8	70,7	123,6	115,3	106,7	88,6
Resident population (end of year)	99,1	99,3	99,6	99,6	99,5	99,4	99,4	99,3
Total employed, aged 15–70	101,1	101,9	100,4	... ⁵	99,3	101,3	101,3	96,0
Unemployed, aged 15–70 (ILO methodology)	101,6	84,0	91,2	... ⁵	101,2	93,0	94,2	112,5
Average monthly wages								
Nominal	129,6	136,7	120,0	120,5	137,1	124,8	118,4	110,4
Real	99,1	120,3	110,2	79,8	119,1	112,5	109,8	107,4

¹ See the first footnote to Table 1.4

² See methodology notes to Chapter 17

³ See methodology notes to Chapter 20

⁴ 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 Chapter 23

⁵ 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 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 place of residence does not exceed 12 months.

Urban and rural population. The urban population is the population living in cities and towns. who resides in urban type settlements. The rural population is the population living in villages and settlements.

Data on the number of the population as of January 1, 2015/2021 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, natural increase (decrease) of population, arrivals, departures, migration increase (decrease) of the population, marriages and divorces for 2014/2020 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 the lack of information on the temporarily occupied territory, the relative indicators of births, deaths, natural increase (decrease) of the population, marriage, divorce, reproduction of the population of average life expectancy in Ukraine for 2015–2020 is calculated without taking into account the relevant data on 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	2018	2019	2020	2021
Present population, mln.	48,9	48,5	46,9	45,8	42,8	42,4	42,2	41,9	41,6
urban	32,9	32,6	31,9	31,5	29,6	29,4	29,3	29,1	29,0
rural	16,0	15,9	15,0	14,3	13,2	13,0	12,9	12,8	12,6
percentage of total population									
urban	67,4	67,2	67,9	68,7	69,2	69,3	69,4	69,5	69,6
rural	32,6	32,8	32,1	31,3	30,8	30,7	30,6	30,5	30,4
Resident population, mln.	48,7	48,2	46,7	45,6	42,6	42,2	42,0	41,7	41,4
males	22,5	22,3	21,6	21,0	19,7	19,5	19,5	19,3	19,2
females	26,2	25,9	25,1	24,6	22,9	22,7	22,5	22,4	22,2
percentage of total population									
males	46,3	46,3	46,1	46,1	46,3	46,3	46,3	46,4	46,3
females	53,7	53,7	53,9	53,9	53,7	53,7	53,7	53,6	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 1939–2020¹

	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
2021	41,6	29,0	12,6	69,6	30,4

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, 2021)

	Population, thsd.			Share of urban population in total, percent
	total	urban	rural	
Ukraine	41588,4	28959,6	12628,8	69,6
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnysya	1529,1	795,8	733,3	52,0
Volyn	1027,4	537,2	490,2	52,3
Dnipropetrovsk	3142,0	2642,1	499,9	84,1
Donetsk	4100,3	3728,1	372,2	90,9
Zhytomyr	1195,5	711,1	484,4	59,5
Zakarpattya	1250,1	465,3	784,8	37,2
Zaporizhzhya	1666,5	1291,1	375,4	77,5
Ivano-Frankivsk	1361,1	605,4	755,7	44,5
Kyiv	1788,5	1109,3	679,2	62,0
Kirovohrad	920,1	585,0	335,1	63,6
Luhansk	2121,3	1848,3	273,0	87,1
Lviv	2497,8	1526,8	971,0	61,1
Mykolayiv	1108,4	761,3	347,1	68,7
Odesa	2368,1	1592,0	776,1	67,2
Poltava	1371,5	859,0	512,5	62,6
Rivne	1148,5	545,8	602,7	47,5
Sumy	1053,5	733,4	320,1	69,6
Ternopil	1030,6	472,6	558,0	45,9
Kharkiv	2633,8	2140,9	492,9	81,3
Kherson	1016,7	624,7	392,0	61,4
Khmelnyskiy	1243,8	718,1	525,7	57,7
Cherkasy	1178,3	673,5	504,8	57,2
Chernivtsi	896,6	388,4	508,2	43,3
Chernihiv	976,7	642,2	334,5	65,8
cities				
Kyiv	2962,2	2962,2	×	100,0
Sevastopol	...	...	...	...

POPULATION AND MIGRATION

2.4. Resident population, by sex and region

(persons)

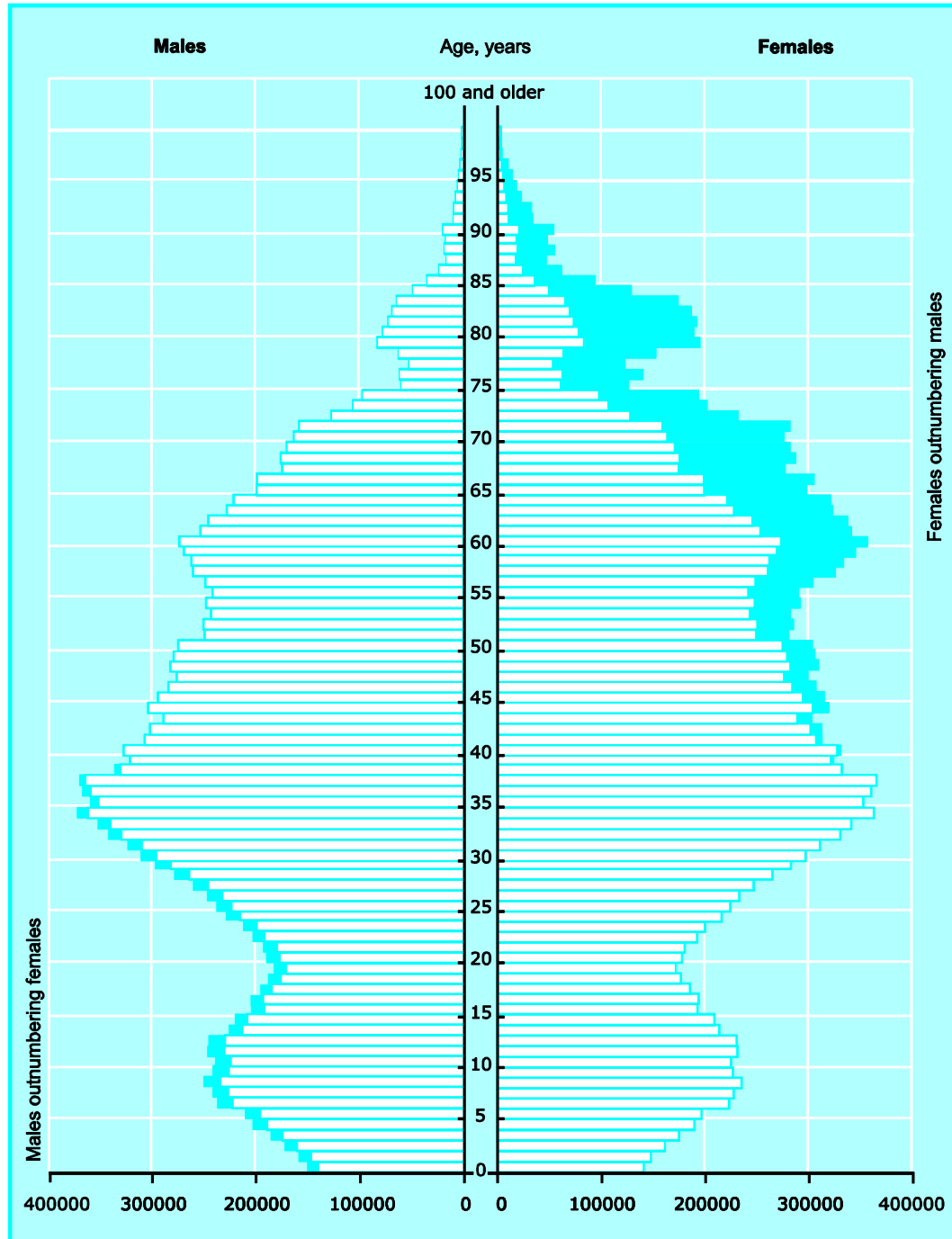
	2002 ¹		2021 ¹		Males per 1000 females	
	males	females	males	females	2002 ¹	2021 ¹
Ukraine	22316317	25924585	19195376	22223341	861	864
Autonomous Republic of Crimea	931439	1092617	...	...	852	...
oblasts						
Vinnnytsya	804747	959197	705574	816464	839	864
Volyn	497646	559568	483610	541059	889	894
Dnipropetrovsk	1638504	1922720	1432915	1705811	852	840
Donetsk	2210403	2615160	1857072	2230323	845	833
Zhytomyr	644360	744933	557544	638720	865	873
Zakarpattia	604150	650464	599712	647584	929	926
Zaporizhzhya	884153	1042657	760319	905407	848	840
Ivano-Frankivsk	663275	742854	642296	716087	893	897
Kyiv	841463	979598	816753	965998	859	846
Kirovohrad	516610	609094	421594	492119	848	857
Luhansk	1167914	1372277	969985	1146740	851	846
Lviv	1234896	1371060	1174323	1305057	901	900
Mykolayiv	586770	676129	513661	594018	868	865
Odesa	1148820	1306846	1110274	1246773	879	891
Poltava	742204	879003	630080	733611	844	859
Rivne	554413	617032	545177	602219	899	905
Sumy	592005	704758	482498	568762	840	848
Ternopil	527953	610547	481100	546211	865	881
Kharkiv	1328884	1566929	1213803	1404395	848	864
Kherson	546638	626051	471477	543798	873	867
Khmelnyskiy	657285	769364	576763	663861	854	869
Cherkasy	635822	762491	540227	634410	834	852
Chernivtsi	430047	488981	421186	472315	879	892
Chernihiv	560445	675620	440284	527875	830	834
cities						
Kyiv	1193356	1373597	1347149	1573724	869	856
Sevastopol	172115	205038	...	...	839	...

¹ For 2002, data of the Census as of December 5, 2001, for 2021, as of January 1

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2.5. Resident population, by age group*(as of January 1, 2021)*

	Total population, persons			Share of total population, percent		
	total	urban	rural	total	urban	rural
Total population	41418717	28720723	12697994	100,0	100,0	100,0
by age, years						
under 1	292037	186176	105861	0,7	0,6	0,8
1–4	1397319	914466	482853	3,4	3,2	3,8
5–9	2297708	1521362	776346	5,6	5,3	6,1
10–14	2292705	1539759	752946	5,5	5,4	6,0
15–19	1901428	1295586	605842	4,6	4,5	4,8
20–24	1999133	1296663	702470	4,8	4,5	5,5
25–29	2579808	1710791	869017	6,2	5,9	6,8
30–34	3351923	2339699	1012224	8,1	8,1	8,0
35–39	3497932	2636266	861666	8,4	9,2	6,8
40–44	3117480	2266096	851384	7,5	7,9	6,7
45–49	2962475	2084920	877555	7,2	7,3	6,9
50–54	2717322	1858454	858868	6,6	6,5	6,8
55–59	2889823	2013949	875874	7,0	7,0	6,9
60–64	2910434	2062461	847973	7,0	7,2	6,7
65–69	2376281	1716170	660111	5,7	6,0	5,2
70 and older	4834909	3277905	1557004	11,7	11,4	12,2
Of total population, years						
0–14	6279769	4161763	2118006	15,2	14,5	16,7
15–64	27927758	19564885	8362873	67,4	68,1	65,9
16–59	24618898	17232210	7386688	59,4	60,0	58,2
18 and older	33959040	23753394	10205646	82,0	82,7	80,4
60 and older	10121624	7056536	3065088	24,4	24,6	24,1
65 and older	7211190	4994075	2217115	17,4	17,4	17,4

2.6. Resident population, by sex and age*(as of January 1, 2021; persons)*

POPULATION AND MIGRATION

2.7. Resident population, by main age group and region

(as of January 1, 2021)

	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	41418717	6279769	27927758	24618898	33959040	10121624	7211190
Autonomous Republic of Crimea	...	...	...	...	...	...	...
oblasts							
Vinnnytsya	1522038	234333	1015332	899024	1242981	373858	272373
Volyn	1024669	200257	687813	610100	788269	201781	136599
Dnipropetrovsk	3138726	481046	2109138	1854744	2569104	773316	548542
Donetsk	4087395	452254	2714325	2352573	3534847	1247910	920816
Zhytomyr	1196264	195765	799330	707565	963579	280452	201169
Zakarpattia	1247296	245768	848765	757880	957015	228303	152763
Zaporizhzhya	1665726	240600	1120183	981352	1379497	428357	304943
Ivano-Frankivsk	1358383	229427	931835	826715	1085430	287442	197121
Kyiv	1782751	311673	1198518	1062981	1420813	390404	272560
Kirovohrad	913713	136274	607855	536569	751928	232402	169584
Luhansk	2116725	205452	1417972	1221007	1861015	673161	493301
Lviv	2479380	403933	1700408	1503083	1998662	546700	375039
Mykolayiv	1107679	169679	748913	660229	906192	267129	189087
Odesa	2357047	399181	1578737	1404530	1888413	529492	379129
Poltava	1363691	193788	923859	815595	1134678	342294	246044
Rivne	1147396	233300	767654	681281	872523	218769	146442
Sumy	1051260	137464	715363	625986	887833	279141	198433
Ternopil	1027311	160451	705062	623005	835376	233109	161798
Kharkiv	2618198	358323	1804159	1594027	2191268	643786	455716
Kherson	1015275	162969	683165	602542	822709	239987	169141
Khmelnyskiy	1240624	195316	828404	729435	1009373	303719	216904
Cherkasy	1174637	162030	787619	693959	981991	308325	224988
Chernivtsi	893501	153709	609608	543577	711369	186409	130184
Chernihiv	968159	129893	643303	561307	813125	268477	194963
cities							
Kyiv	2920873	486884	1980438	1769832	2351050	636901	453551
Sevastopol	...	...	...	...	...	...	...

POPULATION AND MIGRATION

2.8. Pensioners of all categories¹

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

	2001	2006	2011	2016	2018	2019	2020	2021
Total pensioners, thsd.	14447	14050	13738	12296	11725	11470	11335	11131
including								
retired by age	10299	10596	10587	9408	8922	8693	8535	8330
retired due to disability	2015	1605	1491	1400	1401	1415	1454	1479
survivors who lost their benefactor	1150	852	847	726	663	646	649	641
entitled to pension for long service	552	627	654	660	646	629	616	604
entitled to welfare pensions	431	370	158	101	90	84	78	73
judges in resignation which receive the lifetime monetary maintenance	...	...	1	1	3	3	3	4

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, 2021, there were 4237 thsd. pensioners who lived in rural areas, which amounted to 38,1% of those registered at the Pension Fund of Ukraine bodies.

2.9. Pensioners of all categories, by region

(source: by Pension Fund of Ukraine; as of January 1, 2021)

	Total, persons	Including						judges in resignation which receive the lifelong monetary maintenance
		old age pensions	disability pensions	survivors' pensions	long service pensions	welfare pensions		
Ukraine	11130954	8330485	1478882	641033	604173	72843		3538
Autonomous Republic of Crimea	...	...	...	...	...	...		...
oblasts								
Vinnitsya	451371	329459	69916	23185	25800	2885		126
Volyn	260734	180654	45810	19083	13521	1594		72
Dnipropetrovsk	923763	735995	76931	60611	44467	5515		244
Donetsk	811591	631971	80801	63729	30766	4118		206
Zhytomyr	368852	251466	67490	25171	22595	2010		120
Zakarpattia	263537	192241	38166	14326	14944	3800		60
Zaporizhzhya	521167	410888	54122	28545	23878	3540		194
Ivano-Frankivsk	343970	248890	59768	17322	14231	3665		94
Kyiv	548005	416765	73353	27337	26991	3426		133
Kirovohrad	266567	201707	31135	16015	15381	2225		104
Luhansk	341681	274424	26257	23776	15726	1396		102
Lviv	673856	477934	116941	42903	32532	3417		129
Mykolayiv	304749	229459	35417	18209	19781	1770		113
Odesa	587297	423798	85674	32372	40864	4380		209
Poltava	423370	312148	59602	24635	24487	2365		133
Rivne	289070	217455	40604	16166	12695	2092		58
Sumy	324475	252500	32500	17234	20108	2015		118
Ternopil	278511	211084	40452	13118	12025	1773		59
Kharkiv	773613	594469	89116	37993	46444	5303		288
Kherson	275691	218679	26265	13596	15120	1945		86
Khmelnyskiy	397912	257106	92106	23465	22707	2436		92
Cherkasy	403375	277832	86863	18546	17030	2974		130
Chernivtsi	214270	159547	32220	9398	11146	1902		57
Chernihiv	320601	236041	44106	18693	19726	1913		122
cities								
Kyiv	762926	587973	73267	35605	61208	4384		489
Sevastopol	...	...	...	...	...	...		...

POPULATION AND MIGRATION

2.10. Number of the registered live births, deaths and natural population increase (decrease)*(thsd.)*

	2000	2005	2010	2015	2017	2018	2019	2020
Live births								
total	385,1	426,1	497,7	411,8	364,0	335,9	308,8	293,4
by type of areas								
in urban	238,0	284,3	326,6	266,1	237,9	220,1	202,6	189,1
in rural	147,1	141,8	171,1	145,7	126,1	115,8	106,2	104,3
Deaths								
total	758,1	782,0	698,2	594,8	574,1	587,7	581,1	616,8
by type of areas								
in urban	457,1	471,6	431,1	358,8	350,6	363,7	362,6	389,7
in rural	301,0	310,4	267,1	236,0	223,5	224,0	218,5	227,1
Natural increase (decrease) in population								
total	-373,0	-355,9	-200,5	-183,0	-210,1	-251,8	-272,3	-323,4
by type of areas								
in urban	-219,1	-187,3	-104,5	-92,7	-112,7	-143,6	-160,0	-200,6
in rural	-153,9	-168,6	-96,0	-90,3	-97,4	-108,2	-112,3	-122,8

2.11. Total rates for births, deaths, natural increase (decrease) in the population*(per 1000 present population)*

	2000	2005	2010	2015	2017	2018	2019	2020
Live births								
total	7,8	9,0	10,8	10,7	9,4	8,7	8,1	7,8
by type of areas								
in urban	7,2	8,9	10,4	10,4	9,2	8,5	7,9	7,5
in rural	9,2	9,4	11,9	11,3	9,9	9,2	8,5	8,5
Deaths								
total	15,4	16,6	15,2	14,9	14,5	14,8	14,7	15,9
by type of areas								
in urban	13,8	14,8	13,7	13,2	13,0	13,4	13,4	14,8
in rural	18,8	20,5	18,6	18,0	17,3	17,5	17,2	18,1
Natural increase (decrease) in population								
total	-7,6	-7,6	-4,4	-4,2	-5,1	-6,1	-6,6	-8,1
by type of areas								
in urban	-6,6	-5,9	-3,3	-2,8	-3,8	-4,9	-5,5	-7,3
in rural	-9,6	-11,1	-6,7	-6,7	-7,4	-8,3	-8,7	-9,6

POPULATION AND MIGRATION

2.12. Number of live birth, deaths, natural increase (decrease) in population by region, 2020

(persons)

	Number of live birth	Number of deaths	Natural increase (decrease)
Ukraine	293457	616835	-323378
Autonomous Republic of Crimea	...	...	...
oblasts			
Vinnnytsya	11486	25379	-13893
Volyn	10448	14344	-3896
Dnipropetrovsk	21309	55290	-33981
Donetsk	11036	37131	-26095
Zhytomyr	9151	21212	-12061
Zakarpattya	13503	16756	-3253
Zaporizhzhya	10523	29388	-18865
Ivano-Frankivsk	11793	19177	-7384
Kyiv	14205	31481	-17276
Kirovohrad	6048	16624	-10576
Luhansk	4013	15113	-11100
Lviv	21129	36327	-15198
Mykolayiv	7633	17765	-10132
Odesa	20555	34809	-14254
Poltava	8629	24601	-15972
Rivne	12164	15552	-3388
Sumy	6002	18971	-12969
Ternopil	7846	15829	-7983
Kharkiv	16729	44199	-27470
Kherson	7650	17057	-9407
Khmelnyskiy	9694	20823	-11129
Cherkasy	7223	20761	-13538
Chernivtsi	8093	12636	-4543
Chernihiv	5925	19519	-13594
cities			
Kyiv	30670	36091	-5421
Sevastopol	...	...	...

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**2.13. Total rates for births, deaths, natural increase (decrease) in the population
by region, 2020**

(per 1000 present population)

	Number of live birth	Number of deaths	Natural increase (decrease)
Ukraine	7,8	15,9	-8,1
Autonomous Republic of Crimea	...	...	...
oblasts			
Vinnysya	7,5	16,5	-9,0
Volyn	10,1	13,9	-3,8
Dnipropetrovsk	6,7	17,5	-10,8
Donetsk	...	...	...
Zhytomyr	7,6	17,6	-10,0
Zakarpattya	10,8	13,4	-2,6
Zaporizhzhya	6,3	17,5	-11,2
Ivano-Frankivsk	8,6	14,1	-5,5
Kyiv	8,0	17,6	-9,6
Kirovohrad	6,5	17,9	-11,4
Luhansk	...	...	...
Lviv	8,4	14,5	-6,1
Mykolayiv	6,9	15,9	-9,0
Odesa	8,7	14,7	-6,0
Poltava	6,3	17,8	-11,5
Rivne	10,6	13,5	-2,9
Sumy	5,7	17,9	-12,2
Ternopil	7,6	15,3	-7,7
Kharkiv	6,3	16,7	-10,4
Kherson	7,5	16,7	-9,2
Khmelnyskiy	7,8	16,7	-8,9
Cherkasy	6,1	17,5	-11,4
Chernivtsi	9,0	14,1	-5,1
Chernihiv	6,0	19,8	-13,8
cities			
Kyiv	10,3	12,2	-1,9
Sevastopol	...	...	...

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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
2020	293457	151568	141889	189167	97673	91494	104290	53895	50395

2.15. Birth rates by age

(per 1000 women by relevant age group)

	2000	2005	2010	2015	2017	2018	2019	2020
15–49 age	30,6	34,4	42,5	44,2	39,6	36,9	34,3	33,4
younger than 20	32,1	28,6	28,8	27,3	22,4	19,7	16,9	15,8
20–24	94,9	88,8	90,1	92,3	79,5	73,3	68,1	66,4
25–29	57,7	71,7	87,9	91,8	84,8	80,3	76,5	76,3
30–34	26,5	37,7	55,1	58,8	56,3	54,3	52,4	52,2
35–39	8,7	13,3	22,3	27,3	26,7	26,4	25,3	25,7
40–44	1,9	2,3	4,2	5,6	5,9	6,1	5,9	6,2
45–49	0,1	0,1	0,2	0,4	0,7	0,7	0,8	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	2017	2018	2019	2020
Total	17,3	21,4	21,9	20,6	20,5	20,5	20,5	20,5
by type of areas								
in urban	17,7	21,2	21,1	19,5	19,5	19,5	19,5	19,4
in rural	16,6	21,8	23,4	22,6	22,4	22,4	22,5	22,6

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
2020	1,217	1,133	1,355

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2.18. Population mortality, by major causes of death

	2005	2010	2015	2017	2018	2019	2020
From all causes	781961	698235	594796	574123	587665	581114	616835
of which due to							
some infectious and parasitic diseases	17245	14642	9900	8714	8964	8120	6980
tumours	91849	88767	79530	78324	78597	78223	77880
diseases of blood circulation	488769	465093	404551	384810	392060	389348	408163
respiratory diseases	27998	19480	13951	12166	13006	12504	16479
digestive apparatus diseases	31692	26817	22818	21999	24489	24144	24167
external causes of deaths and diseases	69954	43955	34569	31185	30905	30009	28635
COVID-19 coronavirus infection	—	—	—	—	—	—	21284
of which from							
COVID-19, identified virus	—	—	—	—	—	—	20583
COVID-19, unidentified virus	—	—	—	—	—	—	701
Per 100 thsd. present population	1660,0	1522,2	1487,1	1447,8	1479,4	1466,4	1590,4
From all causes							
of which due to							
some infectious and parasitic diseases	36,6	31,9	24,6	22,0	22,7	20,8	17,8
tumours	195,0	193,5	199,8	199,9	200,3	199,3	201,1
diseases of blood circulation	1037,6	1013,9	1009,5	977,9	996,6	989,2	1052,1
respiratory diseases	59,4	42,5	35,3	31,1	33,2	32,0	41,9
digestive apparatus diseases	67,3	58,5	55,8	55,0	61,2	60,8	61,4
external causes of deaths and diseases	148,5	95,8	86,3	79,8	79,2	77,7	74,7
COVID-19 coronavirus infection	—	—	—	—	—	—	57,0
of which from							
COVID-19, identified virus	—	—	—	—	—	—	55,4
COVID-19, unidentified virus	—	—	—	—	—	—	1,6

2.19. Mortality rates of population, by age

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

	2000	2005	2010	2015	2017	2018	2019	2020
Total deaths	1550,6	1666,4	1528,2	1493,3	1453,9	1485,7	1472,7	1597,2
of which those aged								
0–4	291,0	273,9	229,4	181,1	160,1	146,9	146,1	136,9
5–9	37,7	38,7	24,7	19,9	18,0	18,1	17,5	15,6
10–14	38,2	31,8	27,9	25,3	21,9	22,3	20,1	17,8
15–19	91,4	77,3	63,0	61,2	51,8	49,7	52,5	54,1
20–24	178,8	148,6	114,7	98,1	84,6	83,2	80,0	76,2
25–29	244,3	269,4	188,9	152,1	139,4	134,4	131,0	124,8
30–34	336,8	397,1	310,1	240,9	222,9	231,5	224,4	222,7
35–39	463,1	549,3	404,6	372,9	345,7	365,2	347,0	330,8
40–44	659,2	753,0	535,4	497,7	481,5	523,3	513,2	509,4
45–49	945,9	1026,1	709,1	665,2	643,5	683,4	681,7	693,7
50–54	1278,2	1421,2	997,4	927,1	903,9	943,7	931,8	969,0
55–59	1780,5	1882,1	1448,3	1323,2	1274,0	1314,9	1273,6	1379,1
60–64	2483,7	2649,8	2096,7	2012,8	1883,3	1920,4	1877,1	2080,8
65–69	3532,0	3517,8	3084,4	2839,3	2742,9	2821,9	2733,9	3020,9
70 and older	8637,3	8831,2	8196,3	8602,9	8493,1	8522,5	8373,3	8997,0

POPULATION AND MIGRATION

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

(persons)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	4606	4259	4564	3318	2786	2397	2189	1988
Autonomous Republic of Crimea	172	161	205	...	...	...	...	...
oblasts								
Vinnnytsya	152	139	148	120	103	79	92	74
Volyn	137	105	123	86	75	86	79	66
Dnipropetrovsk	334	309	347	289	209	230	185	147
Donetsk	419	412	497	156	146	117	121	92
Zhytomyr	131	123	135	102	81	74	64	54
Zakarpattia	134	180	199	180	165	146	143	131
Zaporizhzhya	208	177	182	132	94	106	68	55
Ivano-Frankivsk	201	194	170	108	90	79	76	82
Kyiv	122	123	140	109	90	73	65	57
Kirovohrad	107	100	112	89	92	57	49	52
Luhansk	212	210	199	56	56	35	30	29
Lviv	297	218	266	232	232	163	145	145
Mykolayiv	127	89	104	73	61	74	57	55
Odesa	277	254	263	229	218	178	149	137
Poltava	93	103	87	79	47	52	58	55
Rivne	191	151	158	139	120	87	106	65
Sumy	123	102	97	76	54	33	39	51
Ternopil	131	98	98	82	81	54	50	45
Kharkiv	225	229	243	248	164	139	144	152
Kherson	111	115	116	96	78	78	58	81
Khmelnyskiy	149	109	109	116	106	69	67	67
Cherkasy	115	107	125	87	78	80	60	52
Chernivtsi	100	124	90	93	94	71	57	44
Chernihiv	116	103	82	76	49	53	45	54
cities								
Kyiv	193	197	233	265	203	184	182	146
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	2017	2018	2019	2020
Ukraine	11,9	10,0	9,1	7,9	7,6	7,0	7,0	6,7
Autonomous Republic of Crimea	11,4	9,0	8,8	...	...	...	...	...
oblasts								
Vinnnytsya	9,9	9,1	8,4	7,2	7,2	6,0	7,6	6,4
Volyn	11,5	8,3	8,2	6,3	6,2	7,6	7,5	6,3
Dnipropetrovsk	12,7	10,2	9,7	8,5	7,5	9,0	8,1	6,8
Donetsk	13,9	11,5	12,0	8,7	8,2	7,2	8,2	8,0
Zhytomyr	10,4	9,5	9,1	7,3	6,8	6,9	6,6	5,9
Zakarpattia	9,4	11,5	10,9	10,5	11,1	10,4	10,9	9,8
Zaporizhzhya	14,8	11,1	10,1	7,8	6,5	8,2	5,7	5,2
Ivano-Frankivsk	13,7	12,9	10,3	6,8	6,6	6,2	6,2	6,9
Kyiv	9,0	7,5	7,0	5,4	5,1	4,7	4,5	4,0
Kirovohrad	11,7	11,1	10,6	9,3	11,6	7,9	7,6	8,5
Luhansk	13,2	11,7	9,4	9,8	9,3	6,2	5,9	7,0
Lviv	12,2	8,3	9,2	8,2	9,2	7,0	6,6	6,8
Mykolayiv	12,3	8,1	8,1	6,2	6,0	7,9	7,0	7,2
Odesa	13,7	10,7	9,2	8,2	8,6	7,6	7,0	6,6
Poltava	7,9	8,6	6,1	5,8	4,1	5,0	6,3	6,3
Rivne	13,7	10,4	9,2	8,5	8,3	6,4	8,5	5,3
Sumy	13,1	11,4	9,3	7,7	6,7	4,5	5,9	8,4
Ternopil	12,3	8,9	8,2	7,5	8,7	6,3	6,2	5,7
Kharkiv	11,3	10,2	9,2	9,8	7,5	7,0	7,9	9,0
Kherson	10,8	11,3	9,4	8,4	7,7	8,4	6,8	10,5
Khmelnyskiy	12,0	8,8	7,5	8,3	9,1	6,4	6,6	6,9
Cherkasy	10,7	10,2	10,0	7,5	8,0	9,1	7,7	7,2
Chernivtsi	10,7	12,6	8,2	8,6	9,9	8,1	6,8	5,4
Chernihiv	13,2	11,7	8,1	8,3	6,4	7,6	7,3	9,1
cities								
Kyiv	10,2	7,5	7,3	7,5	5,7	5,3	5,6	4,7
Sevastopol	10,9	7,4	8,6	...	...	...	...	...

POPULATION AND MIGRATION

2.22. Life expectancy at birth by sex

(years)

	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
2020	71,35	66,39	76,22

¹ The date are calculated over two related years

2.23. Life expectancy by sex and age group in 2020

(years)

	Both sexes	Male	Female
0	71,35	66,39	76,22
1	70,82	65,86	75,70
5	66,91	61,95	71,77
10	61,96	57,00	66,82
15	57,01	52,06	61,87
20	52,16	47,24	56,96
25	47,35	42,50	52,05
30	42,62	37,87	47,20
35	38,06	33,45	42,45
40	33,66	29,22	37,78
45	29,46	25,27	33,24
50	25,41	21,48	28,83
55	21,54	17,94	24,51
60	17,89	14,68	20,34
65	14,57	11,89	16,43
70	11,53	9,43	12,81
75	8,86	7,35	9,63
80	6,54	5,66	6,92
85	4,81	4,48	4,94

POPULATION AND MIGRATION

2.24. Marriages and dissolved marriages

	2000	2005	2010	2015	2017	2018	2019	2020
Total registered marriages, thsd.	274,5	332,1	305,9	299,0	249,5	228,4	237,9	168,0
per 1000 by present population	5,6	7,1	6,7	7,8	6,5	6,0	6,3	4,5
Total dissolved of marriages, thsd.	197,3	183,5	126,1 ¹	129,4	128,7	153,9	138,0	119,8
per 1000 by present population	4,0	3,9	2,7 ¹	3,3	3,3	3,9	3,6	3,1

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 2020, by region

	Registered marriages		Dissolved of marriages	
	units	per 1000 present population	units	per 1000 present population
Ukraine	167974	4,5	119838	3,1
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnitsya	6319	4,1	4840	3,1
Volyn	4669	4,5	2611	2,5
Dnipropetrovsk	13964	4,4	11696	3,7
Donetsk	6397	...	6004	...
Zhytomyr	4763	4,0	3661	3,0
Zakarpattya	5824	4,7	2719	2,2
Zaporizhzhya	6987	4,2	5988	3,6
Ivano-Frankivsk	6031	4,4	3704	2,7
Kyiv	8943	5,0	6702	3,8
Kirovohrad	3264	3,5	2863	3,1
Luhansk	2070	...	2369	...
Lviv	11428	4,6	5929	2,4
Mykolayiv	4399	3,9	3944	3,5
Odesa	12303	5,2	8048	3,4
Poltava	5351	3,9	4481	3,2
Rivne	5205	4,5	2594	2,3
Sumy	3507	3,3	3050	2,9
Ternopil	4536	4,4	2621	2,5
Kharkiv	12020	4,5	9034	3,4
Kherson	4194	4,1	3241	3,2
Khmelnyskiy	4993	4,0	3908	3,1
Cherkasy	4609	3,9	3886	3,3
Chernivtsi	3770	4,2	2462	2,7
Chernihiv	3693	3,8	3040	3,1
cities				
Kyiv	18735	6,3	10443	3,5
Sevastopol	...	...	...	...

POPULATION AND MIGRATION

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

	2000	2005	2010	2015	2017	2018	2019	2020
Males								
Total	274523	332143	305933	299038	249522	228411	237858	167974
never married								
before	201178	247888	231972	224509	182832	165002	170632	118478
widowers	7859	7754	5046	3623	3524	3500	3559	2737
divorced	65486	76501	68915	70906	63166	59909	63667	46759
Females								
Total	274523	332143	305933	299038	249522	228411	237858	167974
never married								
before	204277	251476	234320	222901	179593	160956	165518	113872
widows	10197	10824	7486	6516	5835	5737	5821	4530
divorced	60049	69843	64127	69621	64094	61718	66519	49572

2.27. Population migration in 2020, 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	435280	425964	9316	26361	19121	7240
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnitsya	14014	16414	-2400	132	121	11
Volyn	10710	10838	-128	122	145	-23
Dnipropetrovsk	27448	28080	-632	1530	494	1036
Donetsk	14293	19726	-5433	432	448	-16
Zhytomyr	16125	16781	-656	271	141	130
Zakarpattia	5468	5877	-409	365	397	-32
Zaporizhzhya	13016	15037	-2021	392	464	-72
Ivano-Frankivsk	12587	12191	396	310	444	-134
Kyiv	49252	24490	24762	1933	395	1538
Kirovohrad	10061	12466	-2405	133	109	24
Luhansk	5605	9096	-3491	248	260	-12
Lviv	25913	25049	864	769	670	99
Mykolayiv	9481	10817	-1336	412	187	225
Odesa	28402	23271	5131	2011	330	1681
Poltava	19038	18515	523	1201	535	666
Rivne	14462	15579	-1117	202	279	-77
Sumy	12883	14709	-1826	458	471	-13
Ternopil	10850	11000	-150	755	228	527
Kharkiv	38711	35868	2843	5705	5002	703
Kherson	8535	10334	-1799	160	120	40
Khmelnyskiy	16222	16008	214	469	141	328
Cherkasy	14884	15217	-333	301	276	25
Chernivtsi	6199	6722	-523	524	344	180
Chernihiv	10336	11335	-999	69	104	-35
cities						
Kyiv	40785	40544	241	7457	7016	441
Sevastopol	...	...	...	...	...	...

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

3. LABOUR MARKET

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 3.13–3.26 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 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.

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 3.20, 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 there porting 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	2017	2018	2019	2020
Labour force	22830,8	22280,8	22051,6	18097,9	17854,4	17939,5	18066,0	17589,5
working age	21150,7	20481,7	20220,7	17396,0	17193,2	17296,2	17381,8	16917,8
older than working age	1680,1	1799,1	1830,9	701,9	661,2	643,3	684,2	671,7
Employed	20175,0	20680,0	20266,0	16443,2	16156,4	16360,9	16578,3	15915,3
working age	18520,7	18886,5	18436,5	15742,0	15495,9	15718,6	15894,9	15244,5
older than working age	1654,3	1793,5	1829,5	701,2	660,5	642,3	683,4	670,8
Unemployed	2655,8	1600,8	1785,6	1654,7	1698,0	1578,6	1487,7	1674,2
working age	2630,0	1595,2	1784,2	1654,0	1697,3	1577,6	1486,9	1673,3
older than working age	25,8	5,6	1,4	0,7	0,7	1,0	0,8	0,9
Persons who are not part of the labour force	13318,4	13559,7	12575,5	10925,5	10945,0	10724,8	10430,5	10724,8
working age	7562,4	8410,3	7878,0	6920,6	6845,8	6486,4	6114,7	6312,6
older than working age	5756,0	5149,4	4697,5	4004,9	4099,2	4238,4	4315,8	4412,2

3.2. Population in 2020, 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	17589,5	8369,0	9220,5	12084,7	5504,8
working age	16917,8	8028,7	8889,1	11642,0	5275,8
older than working age	671,7	340,3	331,4	442,7	229,0
Employed	15915,3	7605,8	8309,5	10983,7	4931,6
working age	15244,5	7266,0	7978,5	10541,6	4702,9
older than working age	670,8	339,8	331,0	442,1	228,7
Unemployed	1674,2	763,2	911,0	1101,0	573,2
working age	1673,3	762,7	910,6	1100,4	572,9
older than working age	0,9	0,5	0,4	0,6	0,3
Persons who are not part of the labour force	10724,8	6493,4	4231,4	7111,6	3613,2
working age	6312,6	3790,0	2522,6	4057,3	2255,3
older than working age	4412,2	2703,4	1708,8	3054,3	1357,9

LABOUR MARKET

3.3. Labour force, by region

(aged 15–70)

	2005		2010		2015		2020	
	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	17589,5	62,1
Autonomous Republic of Crimea	958,7	62,2	964,7	64,5	...	...	...	...
oblasts								
Vinnitsya	775,4	61,8	771,2	63,9	741,2	63,4	710,7	62,9
Volyn	471,8	63,1	474,1	63,6	440,4	58,8	416,0	55,8
Dnipropetrovsk	1665,7	61,8	1659,6	64,9	1594,9	65,6	1496,8	63,5
Donetsk	2265,1	62,6	2166,6	63,7	877,7	58,3	838,8	57,9
Zhytomyr	632,5	64,2	621,1	65,9	571,2	62,5	549,4	62,1
Zakarpattia	592,3	64,5	582,2	63,1	571,8	61,9	551,4	60,1
Zaporizhzhya	908,3	62,4	892,6	64,3	825,5	62,5	791,7	62,6
Ivano-Frankivsk	572,8	56,5	577,8	57,0	609,5	59,8	599,3	59,1
Kyiv	846,9	62,8	817,6	63,2	790,6	62,0	811,6	62,0
Kirovohrad	501,5	61,9	473,5	62,4	436,6	60,9	414,7	60,8
Luhansk	1143,2	60,1	1094,1	61,6	362,7	64,7	339,4	66,7
Lviv	1167,0	61,2	1190,0	62,9	1134,7	60,5	1123,8	60,6
Mykolayiv	595,0	63,2	586,1	64,5	558,2	64,0	537,1	64,2
Odesa	1086,4	58,7	1112,5	61,3	1086,3	61,2	1067,1	61,2
Poltava	744,5	62,9	714,0	63,4	664,3	61,7	643,2	62,3
Rivne	511,1	61,2	532,0	64,0	541,4	65,0	513,8	61,9
Sumy	591,2	63,0	556,2	62,7	523,3	61,8	507,7	62,7
Ternopil	467,4	57,9	482,1	60,6	460,3	58,5	450,4	58,4
Kharkiv	1388,8	62,5	1365,2	63,9	1324,2	63,8	1288,1	63,9
Kherson	548,9	63,1	534,9	64,4	496,6	62,5	490,1	64,1
Khmelnyskiy	641,9	63,4	635,5	64,7	557,1	58,6	560,6	60,9
Cherkasy	641,6	63,2	627,3	64,9	580,2	62,6	557,6	63,0
Chernivtsi	401,2	60,4	418,0	62,7	404,9	60,5	413,3	62,0
Chernihiv	562,3	64,9	536,2	66,2	483,9	62,9	466,7	64,0
cities								
Kyiv	1412,6	66,2	1473,7	67,5	1460,4	66,7	1450,2	66,2
Sevastopol	186,7	62,7	192,8	66,0	...	...	...	...

LABOUR MARKET

3.4. Number of employment, by type of economic activity

(thsd.)

	2015	2017	2018	2019	2020
Total	16443,2	16156,4	16360,9	16578,3	15915,3
Agriculture, forestry and fishing	2870,6	2860,7	2937,6	3010,4	2721,2
Industry	2573,9	2440,6	2426,0	2461,5	2358,6
including					
Manufacturing	1839,3	1774,9	1786,3	1833,3	1737,2
Construction	642,1	644,3	665,3	699,0	664,4
Wholesale and retail trade; repair of motor vehicles and motorcycles	3510,7	3525,8	3654,7	3801,3	3648,7
Transportation and storage, postal and courier activities	998,0	991,6	995,1	999,0	975,2
Accommodation and food service activities	277,3	276,3	283,0	304,0	285,4
Information and communication	272,9	274,1	280,3	289,2	283,7
Financial and insurance activities	243,6	215,9	214,0	211,6	212,5
Real estate activities	268,3	252,3	259,4	259,7	251,2
Professional, scientific and technical activities	422,9	415,8	437,9	421,6	418,2
Administrative and support service activities	298,6	297,9	304,3	317,9	304,6
Public administration and defence, compulsory social security	974,5 ¹	979,7	939,3	870,5 ¹	901,9 ¹
Education	1496,5	1423,4	1416,5	1388,7	1394,9
Human health and social work activities	1040,7	1013,6	995,4	974,2	935,4
Arts, entertainment and recreation	207,9	199,8	196,9	197,6	196,0
Other type of economic activity	344,7	344,6	355,2	372,1	363,4

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; in 2020, deputies of local councils and rural, village and city mayors

LABOUR MARKET

3.5. Employment, by region

(aged 15–70)

	2005		2010		2015		2020	
	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	15915,3	56,2
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	634,9	56,2
Volyn	429,9	57,5	433,6	58,2	397,3	53,1	364,1	48,9
Dnipropetrovsk	1573,8	58,4	1541,9	60,3	1479,6	60,9	1367,8	58,0
Donetsk	2124,9	58,7	1983,7	58,3	756,3	50,3	713,7	49,2
Zhytomyr	570,6	57,9	560,3	59,5	506,6	55,5	489,3	55,3
Zakarpattia	551,0	60,0	531,8	57,7	519,3	56,2	492,7	53,7
Zaporizhzhya	846,0	58,2	825,7	59,5	745,1	56,4	707,3	56,0
Ivano-Frankivsk	522,5	51,6	530,3	52,3	558,3	54,8	548,8	54,1
Kyiv	791,0	58,6	757,9	58,6	739,9	58,1	755,7	57,8
Kirovohrad	457,5	56,5	431,2	56,9	386,8	54,0	362,0	53,1
Luhansk	1054,4	55,4	1015,4	57,1	306,3	54,6	287,1	56,4
Lviv	1064,6	55,8	1096,7	58,0	1042,0	55,5	1038,9	56,0
Mykolayiv	539,8	57,3	536,7	59,1	508,7	58,4	479,7	57,3
Odesa	1028,1	55,6	1044,5	57,5	1016,2	57,3	991,2	56,8
Poltava	690,3	58,3	644,8	57,3	583,6	54,2	566,2	54,8
Rivne	461,6	55,2	471,2	56,7	487,7	58,5	465,8	56,1
Sumy	546,0	58,1	497,0	56,0	470,5	55,6	459,9	56,8
Ternopil	425,1	52,6	431,3	54,2	406,2	51,6	398,4	51,6
Kharkiv	1297,2	58,4	1267,3	59,3	1230,8	59,3	1208,5	59,9
Kherson	499,9	57,5	488,8	58,9	445,8	56,1	434,5	56,8
Khmelnyskiy	586,0	57,9	580,6	59,1	500,5	52,6	505,0	54,8
Cherkasy	578,7	57,0	564,9	58,4	523,5	56,5	504,5	57,0
Chernivtsi	361,7	54,5	382,4	57,4	367,2	54,9	376,5	56,5
Chernihiv	517,9	59,8	480,1	59,2	432,3	56,2	411,3	56,4
cities								
Kyiv	1352,0	63,3	1387,8	63,6	1357,8	62,0	1351,5	61,7
Sevastopol	180,4	60,6	181,3	62,0	...	...	...	...

LABOUR MARKET

3.6. ILO unemployment, by region

(aged 15–70)

	2005		2010		2015		2020	
	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	1674,2	9,5
Autonomous Republic of Crimea	52,6	5,5	60,2	6,2	...	...	...	...
oblasts								
Vinnysya	52,4	6,8	76,9	10,0	66,3	8,9	75,8	10,7
Volyn	41,9	8,9	40,5	8,5	43,1	9,8	51,9	12,5
Dnipropetrovsk	91,9	5,5	117,7	7,1	115,3	7,2	129,0	8,6
Donetsk	140,2	6,2	182,9	8,4	121,4	13,8	125,1	14,9
Zhytomyr	61,9	9,8	60,8	9,8	64,6	11,3	60,1	10,9
Zakarpattya	41,3	7,0	50,4	8,7	52,5	9,2	58,7	10,6
Zaporizhzhya	62,3	6,9	66,9	7,5	80,4	9,7	84,4	10,7
Ivano-Frankivsk	50,3	8,8	47,5	8,2	51,2	8,4	50,5	8,4
Kyiv	55,9	6,6	59,7	7,3	50,7	6,4	55,9	6,9
Kirovohrad	44,0	8,8	42,3	8,9	49,8	11,4	52,7	12,7
Luhansk	88,8	7,8	78,7	7,2	56,4	15,6	52,3	15,4
Lviv	102,4	8,8	93,3	7,8	92,7	8,2	84,9	7,6
Mykolayiv	55,2	9,3	49,4	8,4	49,5	8,9	57,4	10,7
Odesa	58,3	5,4	68,0	6,1	70,1	6,5	75,9	7,1
Poltava	54,2	7,3	69,2	9,7	80,7	12,1	77,0	12,0
Rivne	49,5	9,7	60,8	11,4	53,7	9,9	48,0	9,3
Sumy	45,2	7,6	59,2	10,6	52,8	10,1	47,8	9,4
Ternopil	42,3	9,1	50,8	10,5	54,1	11,8	52,0	11,5
Kharkiv	91,6	6,6	97,9	7,2	93,4	7,1	79,6	6,2
Kherson	49,0	8,9	46,1	8,6	50,8	10,2	55,6	11,3
Khmelnyskiy	55,9	8,7	54,9	8,6	56,6	10,2	55,6	9,9
Cherkasy	62,9	9,8	62,4	9,9	56,7	9,8	53,1	9,5
Chernivtsi	39,5	9,8	35,6	8,5	37,7	9,3	36,8	8,9
Chernihiv	44,4	7,9	56,1	10,5	51,6	10,7	55,4	11,9
cities								
Kyiv	60,6	4,3	85,9	5,8	102,6	7,0	98,7	6,8
Sevastopol	6,3	3,4	11,5	6,0	...	...	...	...

LABOUR MARKET

3.7. Labour force in 2020, 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	17669,8	17589,5	6,7	11,3	14,5	14,9	26,4	22,0	3,8	0,4
females	8413,2	8369,0	6,0	9,8	13,0	14,4	27,8	24,4	4,1	0,5
males	9256,6	9220,5	7,3	12,5	15,8	15,4	25,2	19,8	3,6	0,4
employed	15995,6	15915,3	6,0	11,3	14,7	14,8	26,4	22,1	4,2	0,5
females	7650,0	7605,8	5,3	9,9	13,2	14,2	27,8	24,5	4,5	0,6
males	8345,6	8309,5	6,6	12,6	16,0	15,3	25,2	19,9	4,0	0,4
unemployed	1674,2	1674,2	13,6	10,3	12,5	16,2	26,5	20,8	0,1	—
females	763,2	763,2	12,1	8,9	11,4	16,3	28,1	23,1	0,1	—
males	911,0	911,0	14,9	11,6	13,4	16,2	25,0	18,8	0,1	—

3.8. Employment rate in 2020, 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	49,9	56,2	25,8	72,1	74,5	75,3	76,7	67,9	13,2	2,1
females	43,8	51,2	22,8	61,7	65,0	69,8	74,8	66,0	11,2	1,7
males	57,2	61,8	28,6	82,1	83,7	80,9	78,7	70,1	16,2	3,2
urban population	51,2	57,2	24,0	75,6	76,0	76,7	78,2	69,0	12,6	1,9
rural population	47,1	54,1	28,9	66,0	71,2	71,5	73,4	65,8	14,4	2,6

3.9. ILO unemployment rate in 2020, 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	9,5	9,5	19,3	8,7	8,2	10,3	9,5	9,0	0,1	—
females	9,1	9,1	18,5	8,2	7,9	10,2	9,2	8,6	0,1	—
males	9,8	9,9	19,9	9,1	8,4	10,4	9,8	9,4	0,1	—
urban population	9,1	9,1	18,4	7,4	7,5	10,1	9,6	8,8	0,1	—
rural population	10,3	10,4	20,6	11,3	9,6	10,9	9,3	9,4	0,1	—

LABOUR MARKET

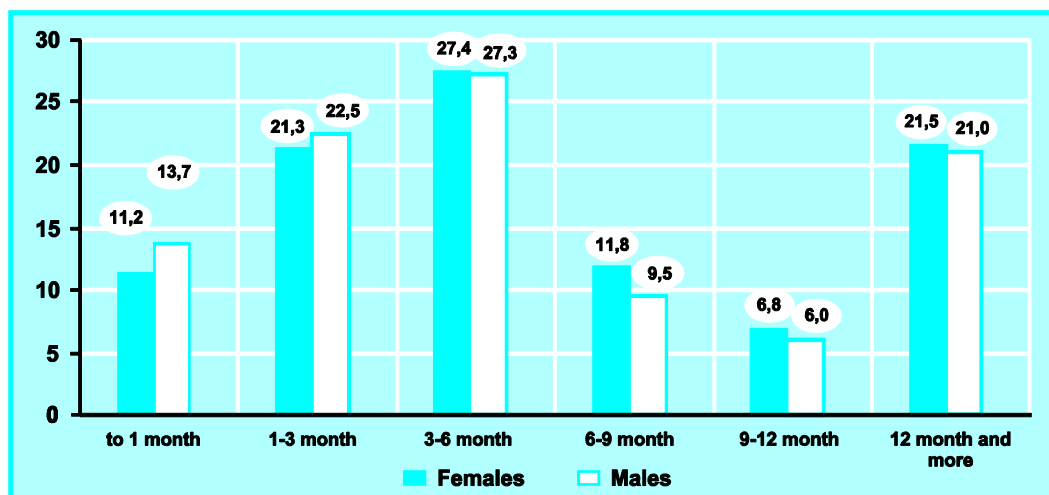
3.10. ILO unemployed, by duration of job search

(aged 15–70)

	2005	2010	2015	2017	2018	2019	2020
Total unemployed, thsd.	1600,8	1785,6	1654,7	1698,0	1578,6	1487,7	1674,2
of which those who sought a job or tried to establish own business	1523,5	1711,8	1617,4	1662,5	1546,0	1441,7	1625,7
of which, by duration of job search, percent							
under 1 month	9,7	9,8	10,5	12,0	11,7	17,4	12,6
from 1 to 3 months	23,4	24,3	23,3	26,1	28,8	22,2	22,0
from 3 to 6 months	20,4	21,8	23,9	19,3	22,8	28,9	27,3
from 6 to 9 months	10,7	11,3	11,0	9,5	9,0	11,2	10,6
from 9 to 12 months	6,0	9,2	7,3	6,4	6,1	7,2	6,3
12 months and longer	29,8	23,6	24,0	26,7	21,6	13,1	21,2
<i>Average duration of job search, months</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>6</i>	<i>5</i>	<i>6</i>

3.11. ILO unemployed in 2020 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	2017	2018	2019	2020
Total unemployed, thsd.	1600,8	1785,6	1654,7	1698,0	1578,6	1487,7	1674,2
By cause of unemployment, percent							
layoffs due to business reasons	26,5	32,7	27,8	23,2	20,7	21,5	22,9
dismissed due to one's own will as agreed by parties	32,8	26,8	28,9	34,5	38,0	39,6	34,1
dismissed due to the end of the contract or labour agreement	7,8	10,4	7,5	8,2	9,5	8,9	9,7
not placed in a job after graduation from educational institutions	15,3	16,0	16,4	12,2	9,8	9,4	9,3
seasonal job	4,7	6,3	9,9	10,1	9,4	9,6	10,2
not employed due to fulfilment of household (family) responsibilities, etc	2,3	2,3	3,7	4,9	4,7	3,3	2,9
layoffs caused by state of health, old-age pension	1,7	0,9	0,9	2,0	1,1	3,4	3,0
demobilised after term military service	1,5	1,3	0,3	0,7	0,9	0,8	0,5
other causes	7,4	3,3	4,6	4,2	5,9	3,5	7,4

LABOUR MARKET

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

(thsd.)

	2010	2015	2017	2018	2019	2020
Total	10758	8065	7679	7662	7443	7345
Agriculture, forestry and fishing	672	479	468	453	440	410
including Agricultural	597	417	405	391	383	358
Industry	2860	2040	1894	1851	1867	1797
Construction	390	182	167	179	194	196
Wholesale and retail trade; repair of motor vehicles and motorcycles	902	687	697	761	765	791
Transportation and storage, postal and courier activities	824	661	655	648	635	626
Transportation	276	267	282	264	263	267
Warehousing and support activities for transportation	443	315	297	310	304	292
Postal and courier activities	105	79	76	74	69	66
Accommodation and food service activities	109	71	70	70	76	68
Information and communication	208	134	119	118	112	106
Financial and insurance activities	271	191	168	168	167	172
Real estate activities	160	92	84	86	75	74
Professional, scientific and technical activities	351	240	219	240	198	203
of which Scientific research and development	138	97	87	93	79	78
Administrative and support service activities	214	192	176	176	179	167
Public administration and defence, compulsory social security	643	484	456	455	390	424
Education	1668	1434	1379	1365	1315	1319
Human health and social work activities	1240	984	951	924	872	832
of which Human health services	1113	880	850	828	786	745
Arts, entertainment and recreation	193	161	150	142	134	137
of which						
Creative, arts and entertainment activities	101	85	84	80	74	76
Libraries, archives, museums and other cultural activities	55	48	44	40	38	38
Other services	53	31	27	26	24	24

LABOUR MARKET

3.14. Average annual number of regular employees, by region

(thsd.)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	13678	11388	10758	8065	7679	7662	7443	7345
Autonomous Republic of Crimea	509	408	411	...	...	...	...	...
oblasts								
Vinnitsya	531	377	330	282	269	266	257	248
Volyn	284	222	200	171	172	170	161	160
Dnipropetrovsk	1111	1017	930	810	783	775	750	731
Donetsk	1477	1290	1156	472	412	382	360	353
Zhytomyr	400	303	255	220	208	207	205	203
Zakarpattia	257	205	201	172	165	162	152	149
Zaporizhzhya	595	499	466	384	365	367	351	340
Ivano-Frankivsk	318	241	225	200	192	191	186	183
Kyiv	469	391	383	344	344	354	344	343
Kirovohrad	317	237	210	180	175	176	168	165
Luhansk	712	604	547	173	129	112	102	105
Lviv	691	581	555	483	467	474	472	471
Mykolayiv	359	288	243	207	195	193	186	182
Odesa	631	536	533	438	425	422	412	402
Poltava	513	417	368	328	305	301	293	288
Rivne	308	242	214	188	177	175	170	168
Sumy	401	308	258	219	206	202	193	188
Ternopil	306	206	183	158	149	147	141	143
Kharkiv	825	709	664	576	555	562	546	543
Kherson	329	231	202	173	161	158	148	147
Khmelnyskiy	427	298	251	220	204	204	200	195
Cherkasy	424	308	272	225	222	217	208	206
Chernivtsi	198	150	140	117	114	115	110	106
Chernihiv	358	278	237	194	185	184	176	172
cities								
Kyiv	846	965	1238	1132	1102	1149	1152	1158
Sevastopol	84	77	86	...	...	...	...	...

LABOUR MARKET

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

(thsd.)

	2010	2015	2017	2018	2019	2020
Industry	2860	2040	1894	1851	1867	1797
Mining and quarrying	436	255	213	202	195	186
including						
Mining of coal and lignite	266	125	85	77	72	67
Manufacturing	1858	1339	1265	1248	1274	1210
Manufacture of food products, beverages and tobacco products	384	290	280	275	293	286
Manufacture of textiles, apparel, leather and related products	96	72	78	78	76	70
Manufacture of wood and paper products, and printing	85	69	69	73	73	71
Manufacture of coke, and refined petroleum products	49	28	17	13	18	14
Manufacture of chemicals and chemical products	94	62	56	56	54	56
Manufacture of pharmaceuticals, medicinal chemical and botanical products	17	21	23	24	24	25
Manufacture of rubber and plastics products, and other non-metallic mineral products	165	114	112	116	119	114
Manufacture of basic metals and fabricated metal products, except machinery and equipment	354	244	207	190	193	185
Manufacture of computer, electronic and optical products	51	30	27	28	26	24
Manufacture of electrical equipment	64	53	50	50	45	42
Manufacture of machinery and equipment n.e.c.	188	121	116	114	112	100
Manufacture of transport equipment, trailers and semi-trailers and other	154	142	136	136	136	121
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	157	94	96	97	105	103
Electricity, gas, steam and air-conditioning supply	411	326	300	286	284	284
Water supply, sewerage, waste management and remediation	155	119	116	115	114	116

LABOUR MARKET

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

(percent of averaged payroll staff)

	Recruited			Dismissed		
	2018	2019	2020	2018	2019	2020
Total	29,2	28,2	24,9	31,6	32,7	29,3
Agriculture, forestry and fishing	50,3	47,1	43,3	51,4	54,6	47,3
including Agriculture	53,9	50,8	46,3	55,1	58,1	50,1
Industry	28,6	27,0	22,8	31,2	31,6	27,7
Construction	46,8	46,0	44,1	46,9	51,7	48,6
Wholesale and retail trade; repair of motor vehicles and motorcycles	52,8	50,1	42,4	52,4	53,1	47,1
Transportation and storage, postal and courier activities	27,7	28,4	27,6	30,6	33,2	29,3
Transportation	27,5	32,4	25,7	30,8	36,9	31,1
Warehousing and support activities for transportation	24,1	22,7	27,8	25,6	27,8	26,1
Postal and courier activities	43,2	38,2	34,1	50,7	43,1	36,6
Accommodation and food service activities	72,5	69,8	53,7	74,3	77,3	76,5
Information and communication	31,3	31,2	22,5	37,3	39,1	31,9
Financial and insurance activities	37,2	34,3	25,2	39,4	36,4	27,9
Real estate activities	31,2	29,6	23,9	34,6	35,5	30,9
Professional, scientific and technical activities	23,3	21,6	19,4	27,9	25,0	23,9
of which Scientific research and development	12,3	12,7	12,0	15,3	15,7	15,2
Administrative and support service activities	45,2	44,4	40,6	51,5	52,7	50,1
Public administration and defence, compulsory social security	21,2	20,4	18,2	20,9	28,4	23,1
Education	16,7	15,2	14,3	19,3	17,4	15,9
Human health and social work activities	15,3	15,3	15,1	19,7	19,5	21,4
of which Human health services	14,9	15,0	15,2	19,5	19,3	21,6
Arts, entertainment and recreation	21,1	20,1	17,5	22,8	22,3	19,2
of which						
Creative, arts and entertainment activities	21,0	19,9	16,9	22,3	21,1	18,3
Libraries, archives, museums and other cultural activities	15,0	14,4	13,3	17,7	16,8	13,4
Other services	27,9	25,7	22,3	28,9	35,6	27,5

LABOUR MARKET

3.17. Use of employees' working hours in 2020, 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	1627	81,3	4	10
Agriculture, forestry and fishing	1791	89,5	2	4
of which Agriculture	1806	90,2	1	3
Industry	1642	82,0	7	24
Construction	1676	83,7	12	6
Wholesale and retail trade; repair of motor vehicles and motorcycles	1693	84,6	6	3
Transportation and storage, postal and courier activities	1582	79,0	7	23
Transportation	1565	78,2	12	21
Warehousing and support activities for transportation	1626	81,2	4	31
Postal and courier activities	1462	73,0	0	0
Accommodation and food service activities	1277	63,8	28	7
Information and communication	1691	84,5	10	6
Financial and insurance activities	1703	85,1	2	1
Real estate activities	1635	81,7	16	12
Professional, scientific and technical activities	1630	81,4	7	26
of which Scientific research and development	1585	79,2	2	35
Administrative and support service activities	1742	87,0	7	4
Public administration and defence, compulsory social security	1716	85,7	0	0
Education	1460	72,9	0	0
Human health and social work activities	1690	84,4	1	1
of which Human health services	1694	84,6	2	1
Arts, entertainment and recreation	1545	77,2	1	1
of which				
Creative, arts and entertainment activities	1496	74,7	0	1
Libraries, archives, museums and other cultural activities	1617	80,8	0	0
Other services	1630	81,4	8	10

3.18. Use of employees' working hours in 2020, 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	1642	82,0	7	24
Mining and quarrying	1537	76,8	3	13
of which				
Mining of coal and lignite	1292	64,5	6	6
Manufacturing	1629	81,4	9	32
Manufacture of food products, beverages and tobacco products	1719	85,9	4	10
Manufacture of textiles, apparel, leather and related products	1496	74,7	24	10
Manufacture of wood and paper products, and printing	1650	82,4	14	15
Manufacture of coke, and refined petroleum products	1748	87,3	2	2
Manufacture of chemicals and chemical products	1689	84,4	2	33
Manufacture of pharmaceuticals, medicinal chemical and botanical products	1732	86,5	1	3
Manufacture of rubber and plastics products, and other non-metallic mineral products	1654	82,6	9	17
Manufacture of basic metals and fabricated metal products, except machinery and equipment	1653	82,6	6	24
Manufacture of computer, electronic and optical products	1581	79,0	6	53
Manufacture of electrical equipment	1545	77,2	6	68
Manufacture of machinery and equipment n.e.c.	1592	79,5	14	41
Manufacture of transport equipment, trailers and semi-trailers and other	1456	72,7	9	123
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	1599	79,9	12	23
Electricity, gas, steam and air-conditioning supply	1715	85,7	2	8
Water supply, sewerage, waste management and remediation	1760	87,9	2	4

LABOUR MARKET

3.19. Collective agreements concluded, by type of economic activity

(end of 2020)

	Total collective agreements concluded and registered, units	Employees covered by agreements	
		thsd.	percentage of total payroll staff
Total	51125	5367,5	71,8
Agriculture, forestry and fishing	3513	240,5	64,7
of which Agriculture	3074	193,8	60,4
Industry	5279	1407,8	77,6
Construction	1052	70,5	36,8
Wholesale and retail trade; repair of motor vehicles and motorcycles	1757	299,3	36,3
Transportation and storage, postal and courier activities	1444	484,8	76,4
Transportation	647	262,4	96,4
Warehousing and support activities for transportation	746	159,4	54,3
Postal and courier activities	51	63,0	91,4
Accommodation and food service activities	222	15,6	24,1
Information and communication	436	54,5	51,5
Financial and insurance activities	196	93,4	49,2
Real estate activities	678	26,3	36,9
Professional, scientific and technical activities	1494	130,0	63,8
of which Scientific research and development	427	67,5	86,4
Administrative and support service activities	1043	82,1	49,4
Public administration and defence, compulsory social security	6349	341,0	78,6
Education	20698	1233,9	89,3
Human health and social work activities	4042	778,4	90,3
of which Human health services	2979	704,9	90,9
Arts, entertainment and recreation	2639	100,2	72,0
of which			
Creative, arts and entertainment activities	1635	57,0	73,9
Libraries, archives, museums and other cultural activities	676	30,8	78,8
Other services	283	9,2	38,3

LABOUR MARKET

3.20. Average monthly wages of regular employees

(KRB)

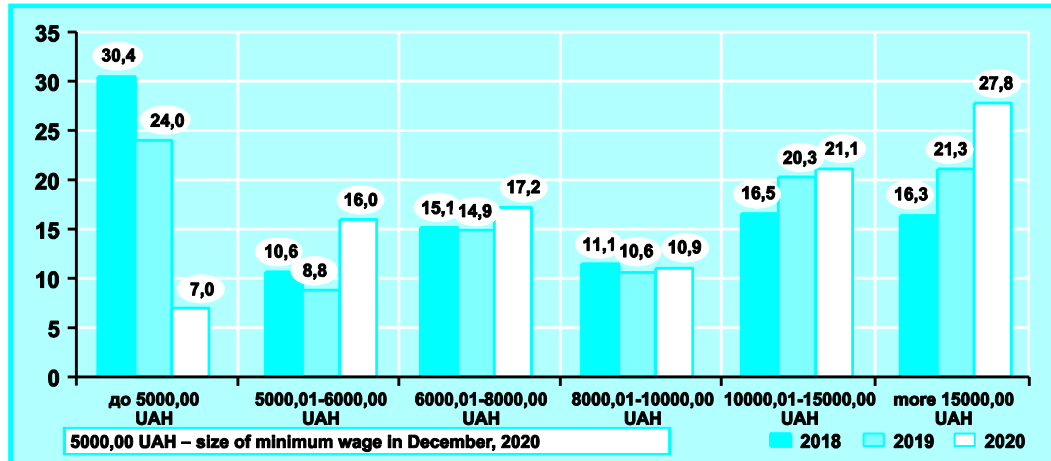
	Total	Including	
		blue collar and white collar-workers	employees of collective agricultural enterprises
1940	32,20	32,20	—
1945	42,70	42,70	—
1950	62,70	62,70	—
1955	68,80	68,80	—
1960	57,82	78,30	23,68
1965	80,15	93,90	49,76
1970	102,97	115,17	66,56
1975	122,33	133,54	80,77
1980	146,06	155,12	103,63
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	—	—

3.21. 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
2020	11591	110,4	107,4
By month			
January	10727	116,3	112,5
February	10847	115,0	112,2
March	11446	111,8	109,3
April	10430	101,6	99,6
May	10542	103,0	101,4
June	11579	107,4	104,8
July	11804	107,6	105,1
August	11446	108,6	106,0
September	11998	112,3	109,7
October	12174	113,5	110,6
November	11987	112,2	108,1
December	14179	115,6	110,1

3.22. Distribution of regular employees in December of 2018–2020, by nominal wages

(percent)



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

(UAH)

	2010	2015	2017	2018	2019	2020	
						UAH	percent of 2019
Total	2239	4195	7104	8865	10497	11591	110,4
Agriculture, forestry and fishing	1472	3309	6057	7557	8856	9757	110,2
of which Agriculture	1430	3140	5761	7166	8738	9734	111,4
Industry	2570	4789	7631	9633	11788	12759	108,2
Construction	1758	3551	6251	7845	9356	9832	105,1
Wholesale and retail trade; repair of motor vehicles and motorcycles	1877	4692	7631	9404	10795	11286	104,6
Transportation and storage, postal and courier activities	2658	4653	7688	9860	11704	11951	102,1
Transportation	2555	4556	7883	10010	11754	11923	101,4
Warehousing and support activities for transportation	2993	5358	8485	10884	12954	13137	101,4
Postal and courier activities	1523	2180	3851	5044	5993	6838	114,1
Accommodation and food service activities	1455	2786	4988	5875	6730	6026	89,5
Information and communication	3161	7111	12018	14276	17543	19888	113,4
Financial and insurance activities	4638	8603	12865	16161	19132	20379	106,5
Real estate activities	1856	3659	5947	7329	8626	8981	104,1
Professional, scientific and technical activities	2869	6736	10039	12144	14550	16613	114,2
of which Scientific research and development	2874	4972	8212	10259	11649	12882	110,6
Administrative and support service activities	1839	3114	5578	7228	8700	9878	113,5
Public administration and defence, compulsory social security	2722	4381	9372	12698	14785	16443	111,2
Education	1905	3132	5857	7041	8135	9271	114,0
Human health and social work activities	1628	2829	4977	5853	7020	8848	126,0
of which Human health services	1637	2853	5023	5898	7087	8995	126,9
Arts, entertainment and recreation	1928	4134	6608	7612	8659	9624	111,1
of which							
Creative, arts and entertainment activities	1883	3150	5774	6801	7834	8564	109,3
Libraries, archives, museums and other cultural activities	1911	3049	5464	6381	7519	8024	106,7
Other services	1717	3634	6536	8132	9096	11998	131,9

LABOUR MARKET

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

(UAH)

	2010	2015	2017	2018	2019	2020	
						UAH	percent of 2020
Ukraine	2239	4195	7104	8865	10497	11591	110,4
Autonomous Republic of Crimea	1991	...	...	...	...	...	...
oblasts							
Vinnysya	1782	3396	6121	7801	9299	10297	110,7
Volyn	1692	3291	5849	7324	8663	9256	106,8
Dnipropetrovsk	2369	4366	6939	8862	10751	11681	108,6
Donetsk	2549	4980	7764	9686	11716	12647	107,9
Zhytomyr	1785	3271	5836	7372	8528	9571	112,2
Zakarpattia	1846	3381	6355	8070	9202	10193	110,8
Zaporizhzhya	2187	4200	6863	8726	10480	11556	110,3
Ivano-Frankivsk	1927	3402	6074	7551	8817	9980	113,2
Kyiv	2295	4153	7188	9097	11003	11887	108,0
Kirovohrad	1815	3282	5792	7191	8360	9603	114,9
Luhansk	2271	3427	5862	7365	8731	10182	116,6
Lviv	1941	3646	6391	8001	9271	10299	111,1
Mykolayiv	2122	3984	6709	8160	9976	11414	114,4
Odesa	2046	3897	6542	8011	9246	10336	111,8
Poltava	2102	3783	6551	8375	9846	10819	109,9
Rivne	1960	3573	6013	7469	8967	10254	114,3
Sumy	1866	3449	5946	7324	8579	9785	114,1
Ternopil	1659	2994	5554	6969	8275	9384	113,4
Kharkiv	2060	3697	6244	7657	9081	9968	109,8
Kherson	1733	3123	5842	7058	8187	9354	114,3
Khmelnyskiy	1786	3371	5938	7346	8672	9872	113,8
Cherkasy	1835	3360	6042	7478	8838	9797	110,8
Chernivtsi	1772	3050	5621	6991	8066	9166	113,6
Chernihiv	1711	3295	5636	6995	8206	9328	113,7
cities							
Kyiv	3431	6732	11135	13542	15776	17086	108,3
Sevastopol	2167	...	...	...	...	...	...

LABOUR MARKET

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

(UAH)

	2010	2015	2017	2018	2019	2020	
						UAH	percent of 2019
Industry	2570	4789	7631	9633	11788	12759	108,2
Mining and quarrying	3563	6164	9704	12452	15630	16763	107,3
including							
Mining of coal and lignite	3790	5944	9557	12158	14831	15701	105,9
Manufacturing	2284	4477	7299	9196	11011	11493	104,4
Manufacture of food products, beverages and tobacco products	2138	4184	6756	8338	9986	10761	107,8
Manufacture of textiles, apparel, leather and related products	1336	2877	5414	6735	7469	7237	96,9
Manufacture of wood and paper products, and printing	1866	3717	6475	8241	9297	9934	106,8
Manufacture of coke, and refined petroleum products	3259	6181	8106	10966	15019	16542	110,1
Manufacture of chemicals and chemical products	2384	4988	7552	8796	11340	12363	109,0
Manufacture of pharmaceuticals, medicinal chemical and botanical products	3490	8254	13846	16754	19511	21138	108,3
Manufacture of rubber and plastics products, and other non-metallic mineral products	1968	3952	6858	8667	10347	10779	104,2
Manufacture of basic metals and fabricated metal products, except machinery and equipment	2879	5645	8423	11022	13451	13926	103,5
Manufacture of computer, electronic and optical products	2051	4619	9000	10640	12509	13275	106,1
Manufacture of electrical equipment	2102	3870	6840	8731	10153	10531	103,7
Manufacture of machinery and equipment n.e.c.	2219	4120	6923	8522	10349	10902	105,3
Manufacture of transport equipment, trailers and semi-trailers and other	2394	4331	7597	10008	11665	11212	96,1
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	2070	4065	7017	9003	10950	11363	103,8
Electricity, gas, steam and air-conditioning supply	3028	5462	8493	10790	13989	16739	119,7
Water supply, sewerage, waste management and remediation	1980	3498	5199	6549	8396	9774	116,4

LABOUR MARKET

**3.26. The number and nominal wages of regular employees in 2020,
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	3372,9	3972,3	13031	10369	79,6
Agriculture, forestry and fishing	292,0	117,7	10314	8376	81,2
of which Agriculture	249,1	108,8	10374	8269	79,7
Industry	1125,9	670,5	14106	10498	74,4
Construction	160,4	35,4	9933	9373	94,4
Wholesale and retail trade; repair of motor vehicles and motorcycles	385,2	406,2	12470	10163	81,5
Transportation and storage, postal and courier activities	396,7	229,1	13113	9938	75,8
Transportation	185,3	81,8	12312	11043	89,7
Warehousing and support activities for transportation	201,0	91,2	14020	11191	79,8
Postal and courier activities	10,3	56,1	9828	6287	64,0
Accommodation and food service activities	24,2	43,5	6544	5738	87,7
Information and communication	57,3	49,0	22081	17324	78,5
Financial and insurance activities	54,9	117,1	26065	17712	68,0
Real estate activities	43,4	30,2	9159	8725	95,3
Professional, scientific and technical activities	94,5	108,8	18913	14617	77,3
of which Scientific research and development	36,8	41,2	14202	11703	82,4
Administrative and support service activities	95,1	72,0	9730	10074	103,5
Public administration and defence, compulsory social security	143,9	280,1	17350	15977	92,1
Education	286,0	1033,2	9534	9198	96,5
Human health and social work activities	153,8	678,1	9907	8607	86,9
of which Human health services	141,1	604,1	10086	8740	86,7
Arts, entertainment and recreation	46,5	90,3	12680	8049	63,5
of which					
Creative, arts and entertainment activities	25,2	50,3	9547	8071	84,5
Libraries, archives, museums and other cultural activities	8,8	29,4	8501	7882	92,7
Other services	13,0	11,1	12085	11896	98,4

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 2020 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 7849 households took part in the survey (selected addresses accounted for 68,7%, 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 enjoined 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

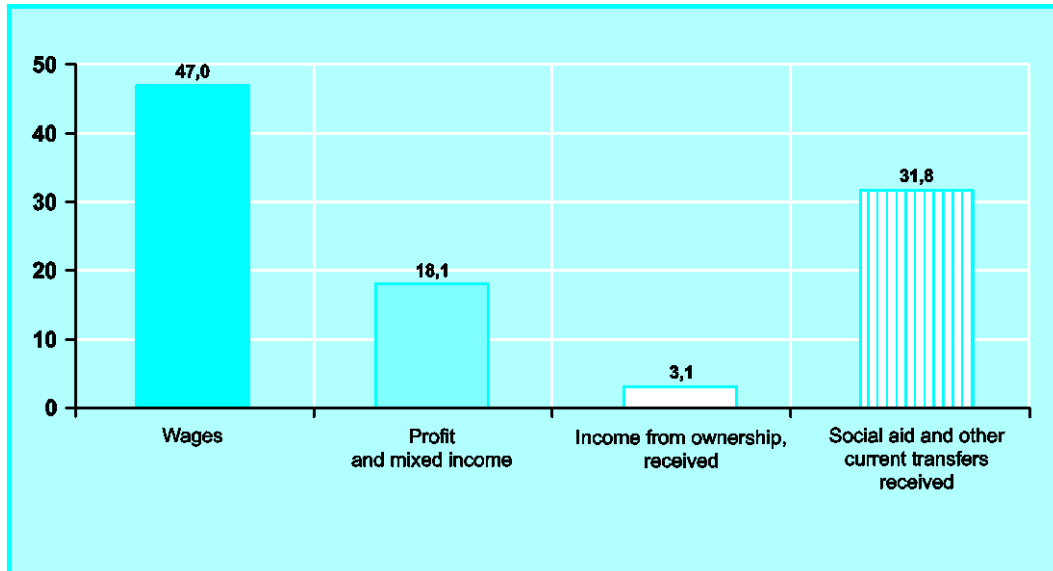
(mln. UAH)

	2005	2010	2015 ¹	2016 ¹	2017 ¹	2018 ¹	2019 ¹	2019 over 2018, percent
Income	381404	1101175	1772016	2051331	2652082	3248730	3744060	115,2
of which								
wages	160621	449553	709590	898326	1209097	1529367	1758588	115,0
profit and mixed income	58404	160025	323506	378213	477854	572065	678217	118,6
income from ownership, received	11072	67856	80035	75452	78673	91164	117003	128,3
social aid and other current transfers received	151307	423741	658885	699340	886458	1056134	1190252	112,7
Expenditure and savings	381404	1101175	1772016	2051331	2652082	3248730	3744060	115,2
of which								
purchase of goods and services	306769	838213	1568173	1840262	2359985	2884971	3356993	116,4
income from ownership, paid	3523	28844	18583	15564	21561	29975	39299	131,1
current taxes on income, property and other current transfers paid	25461	72251	154187	182914	239898	302237	360225	119,2
accumulation of non-financial assets	4444	19578	-2117	-5481	-32060	-22889	-40335	×
increase in financial assets	41207	142289	33190	18072	62698	54436	27878	51,2
Available income	298275	847949	1362599	1582293	2008278	2470325	2905821	117,6
Real available income, percent of the previous year	123,9	117,1	79,6	102,0	110,9	110,9	109,0	×

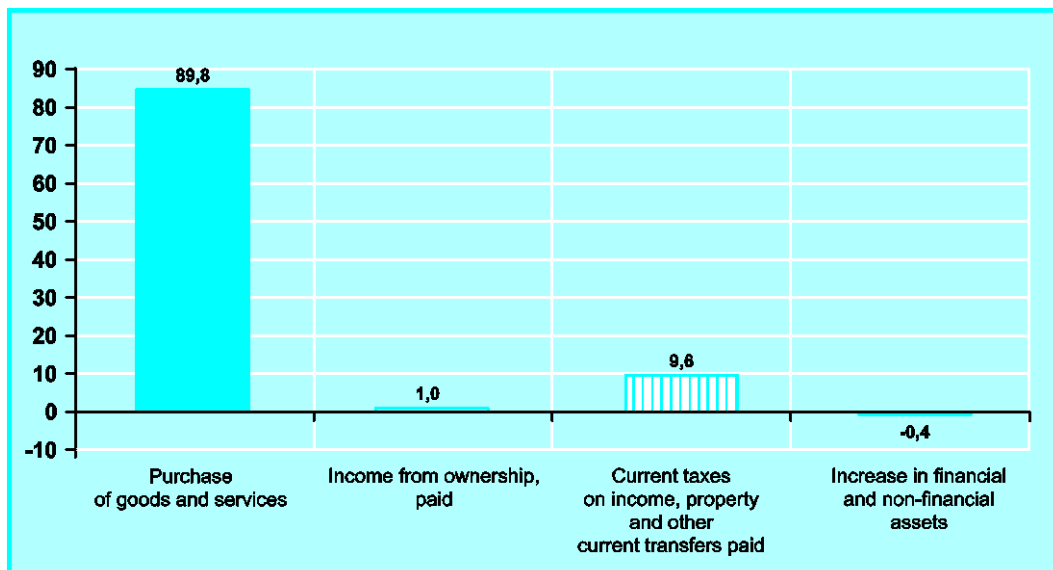
¹ The compilations are made in line with the *Methodological explanations on the updated version of the SNA 2008* (SSSU Decree 398 of December 17, 2013)

4.2. Structure of population income in 2019

(percent)

**4.3. Structure of population expenditure and savings in 2019**

(percent)



INCOME AND LIVING CONDITIONS

4.4. Population income, by region¹

(mln. UAH)

	2018			2019			2020 ²		
	income	available income		income	available income		income	available income	
		total	per capita, UAH		total	per capita, UAH		total	per capita, UAH
Ukraine	3248730	2470325	58442	3744060	2905821	69140	3972428	3062229	73355
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnnytsya	114480	87397	55734	129061	101720	65503	135047	108674	70691
Volyn	63810	47822	46120	72185	55793	53990	74204	58267	56603
Dnipropetrovsk	307844	240620	74755	360385	284178	89042	368017	290917	92083
Donetsk	174771	141559	33840	199322	165303	39843	218593	171479	41662
Zhytomyr	84830	64613	52715	97301	75974	62571	99682	80752	67187
Zakarpattia	69194	52083	41418	78182	60069	47852	81318	63943	51073
Zaporizhzhya	147627	111553	65065	169384	129046	76062	170770	137429	81949
Ivano-Frankivsk	87479	67015	48724	98587	77464	56514	103547	82252	60276
Kyiv	150606	115569	65623	173511	135274	76232	189875	141469	79263
Kirovohrad	63999	47900	50373	71713	54912	58461	74126	58813	63472
Luhansk	58880	45901	21252	66287	53544	24975	69737	56864	26714
Lviv	189077	142941	56592	216876	169534	67353	230602	178224	71150
Mykolayiv	81581	63024	55469	92529	72820	64700	95579	76081	68289
Odesa	193923	150412	63153	225458	179095	75288	248022	190206	80164
Poltava	114656	86746	61649	129647	101521	72843	133086	106960	77547
Rivne	73661	55845	48184	82555	64590	55917	85701	67677	58814
Sumy	79848	60736	55829	89702	70864	65932	93008	75448	71117
Ternopil	61731	45717	43577	68282	52674	50536	72520	57493	55570
Kharkiv	216227	151480	56421	245934	177482	66547	263887	193742	73218
Kherson	68064	52318	50195	76449	60036	58129	79508	64480	63073
Khmelnyskiy	86821	64287	50640	97560	74239	58934	101280	80978	64824
Cherkasy	82600	61398	50600	92887	71503	59626	96063	76154	64254
Chernivtsi	52108	38721	42762	58028	44375	49142	60893	48439	53875
Chernihiv	69247	51874	51213	76808	59882	59972	79700	63894	64933
cities									
Kyiv	555666	422794	143676	675427	513929	173677	747663	531594	179302
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	2018	2019	2020	2021
Average monthly pensions payable to pensioners from the Pension Fund of Ukraine, UAH	83,7	406,8	1151,9	1699,5	2479,2	2645,7	3083,0	3507,5
including								
old age	85,2	417,7	1156,0	1690,3	2556,7	2648,2	3064,8	3539,0
disability	94,5	393,2	1033,8	1545,2	2000,9	2118,6	2641,1	2859,5
of which								
due to accident at work or occupational disease	89,7	280,5	824,7	1193,0	1557,3	1752,7	1730,0	1822,0
1 st group	99,8	290,2	771,7	1102,2	1464,7	2163,0	1675,0	1805,0
2 nd group	89,3	290,3	796,4	1131,5	1483,9	2080,3	1636,2	1783,3
3 rd group	88,7	277,8	831,8	1206,4	1575,0	1664,2	1747,6	1830,2
to survivors who lost their benefactor	61,0	302,8	940,0	1640,3	2368,0	2491,5	2916,5	3249,9
of which								
to families of employees and agricultural workers who lost their benefactor	58,8	299,1	912,2	1417,8	2112,1	2160,0	2618,7	2927,0
long service	105,8	443,9	1719,1	2282,4	2595,2	3970,6	4500,5	4763,3
entitled welfare pensions	43,7	339,6	744,8	1099,0	1450,6	1499,6	1644,3	1786,1

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
2020	2,2	2,0	3,7	3,5	3,0	1,6	29,2	23,2

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; in 2020 – 2078,42 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; in 2020 – 3847,21 UAH

INCOME AND LIVING CONDITIONS

4.7. Households, by size and number of children

(percent)

	2015			2019			2020		
	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	19,5	19,0	20,8	19,0	17,6	21,9
two persons	32,5	33,2	30,9	33,4	33,8	32,6	34,5	35,7	32,0
three persons	25,9	28,7	20,2	26,7	28,5	22,7	26,5	29,0	21,2
four persons	13,7	13,7	13,9	13,2	13,3	13,1	13,0	12,6	13,9
five and more persons	7,6	5,3	12,3	7,2	5,4	10,8	7,0	5,1	11,0
Average household size, persons	2,59	2,54	2,68	2,58	2,54	2,67	2,58	2,53	2,67
Percentage of households with children aged under 18	38,2	39,5	35,4	37,9	39,8	34,0	37,7	39,2	34,7
Percentage of households without children	61,8	60,5	64,6	62,1	60,2	66,0	62,3	60,8	65,3
Of total households, percentage of households with children aged									
under 3	8,0	8,0	7,9	5,7	6,2	4,6	6,0	6,2	5,5
under 7	18,9	19,7	17,2	17,9	20,0	13,6	15,4	16,7	12,8
under 14	30,9	32,7	27,3	32,1	34,5	27,1	29,5	31,5	25,1
under 16	35,0	36,6	31,7	35,1	37,0	31,3	34,0	35,7	30,3

4.8. Households with children, by number of children

(percent)

	2015			2019			2020		
	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	74,6	75,7	72,3	79,2	80,2	76,9
two children	21,2	19,7	24,6	22,6	22,5	22,7	18,7	18,2	19,9
three children	2,6	1,6	5,0	2,4	1,7	4,1	1,8	1,3	2,9
four or more children	0,5	0,3	1,0	0,4	0,1	0,9	0,3	0,3	0,3

INCOME AND LIVING CONDITIONS

4.9. Population, by per capita equivalent money income

(percent)

	2015			2019			2020		
	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	17,0	12,2	26,6	12,5	9,5	18,6
3000,1–4000,0	15,5 ¹	18,0 ¹	10,7 ¹	19,8	18,4	22,6	19,7	17,2	24,6
4000,1–5000,0	...	...	...	19,8	20,1	19,1	21,7	21,7	21,6
5000,1–6000,0	...	...	...	14,5	15,1	13,2	15,4	15,5	15,3
6000,1–7000,0	...	...	...	9,3	9,9	7,9	9,5	10,5	7,5
7000,1–8000,0	...	...	...	7,0	8,2	4,6	7,5	8,9	4,5
8000,1–9000,0	...	...	...	3,9	4,4	2,8	4,4	5,1	2,8
9000,1–10000,0	...	...	...	2,8	3,6	1,1	2,5	2,8	1,7
10000,1–11000,0	...	...	...	2,1	2,6	1,4	2,2	2,7	1,2
11000,1–12000,0	...	...	...	1,2	1,6	0,4	1,6	2,0	0,9
over 12000,0	...	...	...	2,6	3,9	0,3	3,0	4,1	1,3
Quintile differentiation coefficient of cash income of the population, times									
	2,0	2,0	1,8	2,3	2,2	2,2	2,2	2,1	2,0
Ratio of money income richest and poorest 20% population (quintile coefficient for funds), times									
	3,5	3,5	3,3	3,9	3,8	3,6	3,7	3,7	3,4
Share of the population with per capita average equivalent money income per month, lower									
legislatively established subsistence line ²	11,1	8,7	15,9	2,6	1,2	5,3	3,0	1,8	5,6
actual subsistence line ³	62,6	57,6	72,4	29,9	23,8	42,0	29,2	23,8	39,9

¹ Over 3000 UAH

² In 2015 – 1227,33 UAH; in 2019 – 1902,08 UAH; in 2020 – 2078,42 UAH

³ In 2015 – 2257,0 UAH; ; in 2019 – 3660,94 UA; in 2020 – 3847,21 UAH

INCOME AND LIVING CONDITIONS

4.10. Households, by per capita equivalent money income

(percent)

	2015			2019			2020		
	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 money income, UAH									
under 3000,0	82,4	79,8	87,7	17,6	13,0	27,2	12,5	9,7	18,5
3000,1–4000,0	17,6 ¹	20,2 ¹	12,3 ¹	19,7	18,4	22,5	20,0	17,4	25,3
4000,1–5000,0	...	...	...	18,7	18,7	18,6	20,3	20,2	20,4
5000,1–6000,0	...	...	...	14,0	14,7	12,6	14,4	14,5	14,2
6000,1–7000,0	...	...	...	9,1	9,8	7,6	9,6	10,4	7,7
7000,1–8000,0	...	...	...	6,9	8,0	4,5	7,6	9,0	4,9
8000,1–9000,0	...	...	...	4,0	4,4	3,1	4,9	5,6	3,2
9000,1–10000,0	...	...	...	2,9	3,8	1,2	2,9	3,5	1,9
10000,1–11000,0	...	...	...	2,5	3,0	1,6	2,3	2,8	1,3
11000,1–12000,0	...	...	...	1,5	1,9	0,6	1,8	2,2	0,9
over 12000,0	...	...	...	3,1	4,3	0,5	3,7	4,7	1,7
Share of the households with per capita average equivalent money income per month, lower									
legislatively established subsistence line ²	9,4	7,7	13,0	2,5	1,2	5,2	2,8	1,8	4,8
actual subsistence line ³	60,7	55,8	64,5	30,8	24,9	42,9	29,5	24,2	40,4

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

INCOME AND LIVING CONDITIONS

4.11. Households in 2020, 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	12,5	20,0	20,3	14,4	9,6	7,6
Breakdown by level of average per capita equivalent money income of households consisting of							
one person	100,0	18,2	25,9	18,5	9,5	7,5	4,2
two persons	100,0	9,5	19,0	17,5	13,6	10,8	9,8
three persons	100,0	9,9	16,2	21,3	16,6	10,5	8,9
four persons	100,0	15,5	17,7	24,3	17,9	8,9	6,8
five persons and more	100,0	16,6	27,5	27,2	16,6	7,0	2,7
All households with children	100,0	13,6	20,4	24,4	16,1	8,7	6,7
Breakdown by level of average per capita equivalent money income of households with							
one child	100,0	11,3	19,7	24,0	16,7	9,6	7,4
two children	100,0	21,3	23,2	24,7	14,6	5,2	3,9
three children	100,0	33,4	22,0	32,2	0,2	4,3	8,8
four or more children	100,0	28,4	18,8	48,9	1,3	2,6	—

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		2078,42 UAH ¹	3847,21 UAH ²
All households	4,9	2,9	2,3	1,8	3,7		2,8	4,9
Breakdown by level of average per capita equivalent money income of households consisting of								
one person	5,4	3,3	1,7	1,3	4,5		3,0	40,0
two persons	5,7	3,6	2,9	3,0	4,6		2,0	25,9
three persons	5,4	3,1	3,4	1,4	3,3		2,5	22,6
four persons	2,4	1,4	1,1	1,4	2,6		3,1	31,3
five persons and more	1,9	0,3	0,0	0,2	0,0		6,4	40,4
All households with children	3,7	2,0	1,7	0,9	1,8		3,9	30,7
Breakdown by level of average per capita equivalent money income of households with								
one child	4,3	2,3	2,2	0,9	1,6		3,3	27,2
two children	1,8	0,9	0,1	1,4	2,9		5,4	43,1
three children	0,1	—	—	—	—		14,9	55,1
four or more children	—	—	—	—	—		12,9	35,4

¹ The size of the legislatively established subsistence line in 2020

² The size of the actual subsistence line in 2020

INCOME AND LIVING CONDITIONS

4.12. Structure of household money expenditure

(average monthly per one household)

	2015			2019			2020		
	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	8900,8	9580,4	7492,6	8883,8	9469,5	7658,7
	Percent								
Consumption money expenditure	91,9	94,5	85,3	90,1	92,3	83,8	90,1	92,2	84,5
food products (including catering outside home, alcoholic beverages and tobacco)	54,8	56,8	49,8	48,5	49,9	44,4	49,1	50,5	45,4
manufactured goods and services	37,1	37,7	35,5	41,6	42,4	39,4	41,0	41,7	39,1
Monetary support to relatives, friends and other persons	2,9	2,4	4,0	2,9	2,4	4,1	2,9	2,6	3,5
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	5,2	3,1	10,7	7,0	5,3	12,1	7,0	5,2	12,0

4.13. Structure of household money expenditure, by household size

(average monthly per one household)

	2019						2020					
	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	8900,8	4607,0	8077,4	10325,4	11931,8	13550,0	8883,8	4862,0	7906,2	10586,2	11697,2	12898,4
	Percent											
Consumption money expenditure	90,1	90,8	88,7	90,3	91,7	90,1	90,1	91,0	89,2	90,2	91,4	89,7
food products (including catering outside home, alcoholic beverages and tobacco)	48,5	50,8	48,2	48,3	48,9	47,2	49,1	50,4	49,6	48,5	49,0	49,0
manufactured goods and services	41,6	40,0	40,5	42,0	42,8	42,9	41,0	40,6	39,6	41,7	42,4	40,7
Monetary support to relatives, friends and other persons	2,9	3,5	4,2	2,2	2,0	1,7	2,9	3,6	4,0	2,5	1,9	1,6
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	7,0	5,7	7,1	7,5	6,3	8,2	7,0	5,4	6,8	7,3	6,7	8,7

INCOME AND LIVING CONDITIONS

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

(average monthly per one household)

	2019					2020				
	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
Total money expenditure, UAH	10967,1	10592,0	12082,3	12300,3	9966,3	11174,5	10946,8	12143,5	10658,8	13747,3
	Percent									
Consumption money expenditure	91,9	91,6	92,9	92,5	91,2	91,9	91,4	93,4	95,5	92,5
food products (including catering outside home, alcoholic beverages and tobacco)	49,0	48,8	49,1	51,6	53,4	49,1	48,7	49,5	54,7	61,4
manufactured goods and services	42,9	42,8	43,8	40,9	37,8	42,8	42,7	43,9	40,8	31,1
Monetary support to relatives, friends and other persons	1,8	2,0	1,2	1,6	1,5	1,9	2,1	1,4	1,3	0,4
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	6,3	6,4	5,9	5,9	7,3	6,2	6,5	5,2	3,2	7,1

4.15. Structure of household money expenditure in 2020, 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	8883,8	5078,4	6501,7	8151,1	9107,6	10246,7	11156,1
	Percent						
Consumption money expenditure	90,1	94,6	93,3	92,6	90,2	90,1	89,5
food products (including catering outside home, alcoholic beverages and tobacco)	49,1	56,9	54,8	51,3	50,3	47,6	47,9
manufactured goods and services	41,0	37,7	38,5	41,3	39,9	42,5	41,6
Monetary support to relatives, friends and other persons	2,9	1,2	1,8	2,0	2,9	3,1	3,2
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	7,0	4,2	4,9	5,4	6,9	6,8	7,3

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	
						2078,42 UAH ¹	3847,21 UAH ²
Total money expenditure, UAH	11368,2	11310,6	13541,9	13679,4	19139,4	4541,8	5855,9
	Percent						
Consumption money expenditure	89,4	86,5	84,7	85,6	81,3	94,1	93,9
food products (including catering outside home, alcoholic beverages and tobacco)	48,5	45,1	45,3	41,9	35,4	56,8	56,0
manufactured goods and services	40,9	41,4	39,4	43,7	45,9	37,3	37,9
Monetary support to relatives, friends and other persons	3,4	5,3	4,2	3,9	5,4	0,7	1,5
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	7,2	8,2	11,1	10,5	13,3	5,2	4,6

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			2019			2020		
	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 total income, UAH									
under 3000,0	80,2	79,5	81,8	10,7	8,8	14,4	8,3	7,3	10,2
3000,1–4000,0	19,8 ¹	20,5 ¹	18,2 ¹	19,2	17,6	22,4	17,8	16,8	19,8
4000,1–5000,0	...	...	...	20,6	20,6	20,8	21,6	21,2	22,5
5000,1–6000,0	...	...	...	16,6	16,4	17,0	17,6	16,8	19,1
6000,1–7000,0	...	...	...	10,4	10,5	10,1	11,5	11,2	12,1
7000,1–8000,0	...	...	...	7,9	8,6	6,5	7,9	9,3	5,1
8000,1–9000,0	...	...	...	4,6	5,0	3,8	5,1	5,1	5,0
9000,1–10000,0	...	...	...	3,2	3,6	2,3	2,8	3,3	2,1
10000,1–11000,0	...	...	...	2,3	3,0	0,9	2,2	2,5	1,5
11000,1–12000,0	...	...	...	1,5	1,8	1,1	1,8	2,3	0,7
over 12000,0	...	...	...	3,0	4,1	0,7	3,4	4,2	1,9
Quintile differentiation coefficient of total income of the population, times	1,9	1,9	1,8	2,1	2,1	2,0	2,0	2,1	1,9
Ratio of total income richest and poorest 20% population (quintile coefficient for funds), times	3,2	3,3	3,1	3,5	3,6	3,2	3,5	3,6	3,1
Share of the population with per capita average equivalent total income per month, lower									
legislatively established subsistence line ²	6,4	5,8	7,7	1,1	1,0	1,3	1,6	1,3	2,2
actual subsistence line ³	51,9	51,4	52,9	23,1	19,9	29,5	23,2	21,7	26,2

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

INCOME AND LIVING CONDITIONS

4.17. Households, by total per capita equivalent income

(percent)

	2015			2019			2020		
	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	10,5	8,9	13,9	8,2	7,4	9,8
3000,1–4000,0	22,6 ¹	23,1 ¹	21,3 ¹	19,4	18,0	22,4	17,8	16,7	20,0
4000,1–5000,0	...	...	...	19,7	19,4	20,3	21,1	20,2	23,0
5000,1–6000,0	...	...	...	16,3	16,2	16,6	16,3	15,7	17,6
6000,1–7000,0	...	...	...	10,4	10,3	10,4	11,3	11,2	11,5
7000,1–8000,0	...	...	...	7,9	8,6	6,5	8,1	9,3	5,6
8000,1–9000,0	...	...	...	4,6	5,0	3,9	5,6	5,7	5,3
9000,1–10000,0	...	...	...	3,3	3,7	2,6	3,3	3,6	2,6
10000,1–11000,0	...	...	...	2,7	3,4	1,2	2,4	2,8	1,7
11000,1–12000,0	...	...	...	1,8	1,9	1,2	1,9	2,6	0,7
over 12000,0	...	...	...	3,4	4,6	1,0	4,0	4,8	2,2
Share of the households with per capita average equivalent money income per month, lower									
legislatively established subsistence line ²	5,1	4,9	5,7	1,1	0,9	1,6	1,4	1,2	1,9
actual subsistence line ³	49,3	49,2	49,9	23,3	20,6	29,1	23,0	21,6	25,9

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

INCOME AND LIVING CONDITIONS

4.18. Households in 2020, 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	8,2	17,8	21,1	16,3	11,3	8,1
Breakdown by level of average per capita equivalent total income of households consisting of							
one person	100,0	11,0	22,6	22,7	12,4	8,7	4,9
two persons	100,0	6,5	15,9	17,9	15,5	11,9	10,5
three persons	100,0	6,3	14,9	22,0	17,4	12,1	8,7
four persons	100,0	11,3	18,2	22,5	17,6	12,3	8,2
five persons and more	100,0	10,3	23,5	26,1	24,2	10,2	2,6
All households with children	100,0	9,6	19,2	24,3	17,7	10,8	6,8
Breakdown by level of average per capita equivalent total income of households with							
one child	100,0	8,3	17,5	24,5	17,3	12,0	7,6
two children	100,0	14,1	24,8	22,1	21,0	6,8	3,8
three children	100,0	17,3	32,0	33,4	3,9	4,5	4,3
four or more children	100,0	19,8	24,2	51,6	1,9	2,5	0,0

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	
						2078,42 UAH ¹	3847,21 UAH ²
All households	5,6	3,3	2,4	1,9	4,0	1,4	23,0
Breakdown by level of average per capita equivalent total income of households consisting of							
one person	5,6	3,7	2,0	1,6	4,8	1,2	29,3
two persons	6,7	3,7	3,1	3,1	5,2	1,1	19,7
three persons	6,5	3,6	3,4	1,8	3,3	1,4	19,0
four persons	2,5	2,1	0,8	1,5	3,0	2,3	27,0
five persons and more	2,4	0,5	0,0	0,0	0,2	2,2	29,7
All households with children	4,3	2,6	1,5	1,1	2,1	2,1	25,6
Breakdown by level of average per capita equivalent total income of households with							
one child	4,8	3,1	1,9	1,2	1,8	1,5	22,8
two children	2,0	1,1	0,2	0,6	3,5	3,8	35,3
three children	4,5	0,1	—	—	—	10,5	47,0
four and more children	—	—	—	—	—	7,5	32,5

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			2019			2020		
	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	9670,2	10062,5	8857,2	9523,6	9820,1	8903,3
	Percent								
Total consumer expenditure	92,9	93,9	90,9	91,3	92,3	88,8	91,4	92,0	89,6
food products (including catering outside home, alcoholic beverages and tobacco)	57,9	57,0	60,0	51,7	50,4	54,3	52,7	51,0	55,7
manufactured goods and services	35,0	36,9	30,9	39,6	41,9	34,5	38,7	41,0	33,9
payment for housing, communal products and services	10,2	11,4	7,4	13,0	14,4	9,7	12,9	14,6	9,0
of which									
sum of benefits and subsidies	1,4	1,3	1,6	0,9	0,9	1,0	0,1	0,2	0,1
Non-consumption total expenditure	7,1	6,1	9,1	8,7	7,7	11,2	8,6	8,0	10,4

4.20. Structure of total household expenditure, by household size

(average monthly per one household)

	2019						2020					
	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	9670,2	5115,5	8764,7	11069,2	12888,8	15160,6	9523,6	5245,1	8446,9	11226,9	12525,8	14362,9
	Percent											
Total consumer expenditure	91,3	92,0	90,0	91,2	92,5	92,4	91,4	92,1	90,2	90,9	92,6	92,6
food products (including catering outside home, alcoholic beverages and tobacco)	51,7	52,9	51,1	51,0	51,9	52,7	52,7	53,8	52,5	51,3	52,7	55,7
manufactured goods and services	39,6	39,1	38,9	40,2	40,6	39,7	38,7	38,3	37,7	39,6	39,9	36,9
payment for housing, communal products and services	13,0	17,3	14,0	12,6	11,5	9,7	12,9	15,8	13,6	12,7	12,0	9,9
of which												
sum of benefits and subsidies	0,9	1,9	1,0	0,7	0,7	0,8	0,1	0,2	0,2	0,1	0,1	0,2
Non-consumption total expenditure	8,7	8,0	10,0	8,8	7,5	7,6	8,6	7,9	9,8	9,1	7,4	7,4

INCOME AND LIVING CONDITIONS

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

(average monthly per one household)

	2019					2020				
	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
Total expenditure, UAH	11869,8	11410,3	13177,1	13764,5	12491,9	11951,1	11660,0	13126,5	11957,9	15211,2
	Percent									
Total consumer expenditure	92,8	92,4	93,7	94,9	93,6	92,9	92,4	94,2	96,6	95,1
food products (including catering outside home, alcoholic beverages and tobacco)	52,1	51,8	52,4	55,5	61,6	52,7	52,1	53,2	59,7	66,4
manufactured goods and services	40,7	40,6	41,3	39,4	32,0	40,2	40,3	41,0	36,9	28,7
payment for housing, communal products and services	12,0	12,3	11,5	11,0	8,5	12,4	12,4	12,6	10,5	7,3
of which sum of benefits and subsidies	0,7	0,6	0,8	2,0	1,0	0,1	0,1	0,2	0,2	0,3
Non-consumption total expenditure	7,2	7,6	6,3	5,1	6,4	7,1	7,6	5,8	3,4	4,9

4.22. Structure of total household expenditure in 2020, 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	9523,6	5414,6	6878,6	8122,8	9674,3	10574,5	11421,2
	Percent						
Total consumer expenditure	91,4	97,1	96,0	94,5	92,2	92,0	89,0
food products (including catering outside home, alcoholic beverages and tobacco)	52,7	62,4	60,4	56,3	54,6	52,3	49,3
manufactured goods and services	38,7	34,7	35,6	38,2	37,6	39,7	39,7
payment for housing, communal products and services	12,9	14,3	13,9	13,8	12,9	11,9	12,4
of which sum of benefits and subsidies	0,1	0,1	0,2	0,1	0,1	0,1	0,1
Non-consumption total expenditure	8,6	2,9	4,0	5,5	7,8	8,0	11,0

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	
						2078,42 UAH ¹	3847,21 UAH ²
Total expenditure, UAH	11976,2	11998,6	13349,3	14314,2	19475,1	4816,8	6323,4
	Percent						
Total consumer expenditure	90,4	87,7	84,9	86,7	80,2	97,8	96,5
food products (including catering outside home, alcoholic beverages and tobacco)	51,5	48,2	46,7	43,5	36,4	64,8	61,1
manufactured goods and services	38,9	39,5	38,2	43,2	43,8	33,0	35,4
payment for housing, communal products and services	11,7	12,6	11,8	13,4	11,8	12,2	13,9
of which							
sum of benefits and subsidies	0,2	0,1	0,2	0,1	0,2	0,0	0,2
Non-consumption total expenditure	9,6	12,3	15,1	13,3	19,8	2,2	3,5

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 2020, 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	9523,6	9820,1	8903,3	8883,8	9469,5	7658,7
	Percent					
Consumption expenditure	91,4	92,0	89,6	90,1	92,2	84,5
food goods and non-alcoholic beverages	48,1	46,1	52,1	44,3	45,3	41,2
alcohol	1,2	1,3	0,8	1,2	1,4	0,9
tobacco	2,3	2,3	2,2	2,4	2,4	2,6
clothing and footwear	4,8	4,8	4,9	5,2	4,9	5,8
housing, water, electricity, gas and other fuel	14,4	15,6	11,7	15,2	15,9	13,4
furniture, personal effects, household appliances and daily household services	2,2	2,2	2,3	2,4	2,3	2,6
health care	4,3	4,4	4,3	4,5	4,4	4,9
transport	4,0	4,0	3,9	4,1	3,9	4,5
communications	3,4	3,5	3,2	3,7	3,7	3,7
recreation and culture	1,5	1,9	0,7	1,6	1,9	0,8
education	0,9	1,1	0,5	0,9	1,1	0,6
hotels, cafes and restaurants	1,6	1,9	0,8	1,7	2,0	0,9
other goods and services	2,7	2,9	2,2	2,9	3,0	2,6

INCOME AND LIVING CONDITIONS

4.24. Structure of household money income

(average monthly per one household)

	2015			2019			2020		
	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 income, UAH	4676,0	4851,8	4316,4	11145,0	11905,8	9568,7	11670,6	12341,7	10267,0
	Percent								
Labour remuneration	52,8	58,0	41,0	62,3	65,9	53,1	62,0	66,1	51,7
Income from entrepreneurship and self-employment	6,1	6,5	5,3	7,1	7,7	5,6	6,1	6,3	5,6
Income from sales of agricultural products	3,8	0,5	11,5	2,6	0,3	8,5	2,3	0,2	7,5
Cash pensions, stipends and benefits	28,3	26,9	31,4	20,8	19,8	23,0	22,3	21,5	24,5
Monetary support from relatives and other individuals and other money income	9,0	8,1	10,8	7,2	6,3	9,8	7,3	5,9	10,7

4.25. Structure of household money income, by household size

(average monthly per one household)

	2019						2020					
	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 cash income, UAH	11145,0	4981,1	9972,5	12968,9	15410,2	18755,4	11670,6	5395,1	10328,5	13860,0	16474,2	18030,6
	Percent											
Labour remuneration	62,3	41,3	52,8	70,0	73,9	63,8	62,0	39,3	50,7	74,2	71,3	62,0
Income from entrepreneurship and self-employment	7,1	2,8	6,2	9,0	7,3	7,3	6,1	2,8	4,3	7,1	7,9	8,2
Income from sales of agricultural products	2,6	2,4	3,0	2,3	2,4	3,0	2,3	1,7	2,5	2,0	2,2	3,2
Cash pensions, stipends and benefits	20,8	38,9	30,2	12,4	11,3	19,5	22,3	41,3	35,5	10,8	11,9	19,7
Monetary support from relatives and other individuals and other money income	7,2	14,6	7,8	6,3	5,1	6,4	7,3	14,9	7,0	5,9	6,7	6,9

INCOME AND LIVING CONDITIONS

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

(average monthly per one household)

	2019					2020				
	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
Total cash income, UAH	13730,9	13320,2	15013,5	14499,7	13330,9	14621,6	13969,7	17212,0	15836,0	17651,5
	Percent									
Labour remuneration	70,2	70,9	71,1	44,1	37,6	72,5	74,5	66,8	65,9	44,9
Income from entrepreneurship and self-employment	8,8	8,4	9,1	19,0	3,6	8,4	7,0	13,4	3,7	9,2
Income from sales of agricultural products	2,4	2,4	2,0	7,4	4,9	1,9	1,9	1,7	2,8	4,8
Cash pensions, stipends and benefits	11,4	10,9	11,1	23,3	46,4	10,3	9,9	10,6	21,1	36,7
Monetary support from relatives and other individuals and other money income	7,2	7,4	6,7	6,2	7,5	6,9	6,7	7,5	6,5	4,4

4.27. Structure of household money income in 2020, 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	11670,6	5147,5	7311,8	10045,2	12245,4	13532,7	15424,1
	Percent						
Labour remuneration	62,0	37,8	45,5	56,1	61,7	66,2	72,9
Income from entrepreneurship and self-employment	6,1	2,1	3,8	7,0	5,0	5,3	5,0
Income from sales of agricultural products	2,3	3,6	2,5	2,2	2,9	1,9	2,0
Cash pensions, stipends and benefits	22,3	44,1	37,9	26,4	22,1	19,9	15,2
Monetary support from relatives and other individuals and other money income	7,3	12,4	10,3	8,3	8,3	6,7	4,9

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	
						2078,42 UAH ¹	3847,21 UAH ²
Total money income, UAH	16178,9	17424,4	20466,2	21663,9	30581,3	4019,0	6316,3
	Percent						
Labour remuneration	70,6	64,3	73,0	79,5	74,9	31,7	42,0
Income from entrepreneurship and self-employment	4,5	13,3	8,3	3,4	11,6	1,8	3,1
Income from sales of agricultural products	2,4	2,8	2,3	0,8	1,5	5,5	2,9
Cash pensions, stipends and benefits	16,8	12,5	11,9	10,5	8,6	42,2	41,1
Monetary support from relatives and other individuals and other money income	5,7	7,1	4,5	5,8	3,4	18,8	10,9

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			2019			2020		
	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	12118,5	12592,1	11137,1	12432,3	12805,8	11651,1
	Percent								
Money income	89,4	92,8	82,4	92,0	94,5	85,9	93,9	96,4	88,1
labour remuneration	47,2	53,8	33,7	57,3	62,3	45,6	58,3	63,8	45,7
income from entrepreneurship and self-employment	5,5	6,0	4,4	6,5	7,3	4,8	5,8	6,1	5,0
income from sales of agricultural products	3,4	0,4	9,5	2,4	0,3	7,4	2,2	0,2	6,6
cash pensions, stipends and benefits	25,2	25,0	25,9	19,2	18,8	19,7	20,8	20,6	21,3
monetary support from relatives and other individuals and other money income	8,1	7,6	8,9	6,6	5,8	8,4	6,8	5,7	9,5
Value of consumed products that were produced at private subsistence farms or individually procured	5,1	1,6	12,2	3,6	1,0	9,5	3,3	0,7	9,1
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	1,3	1,2	1,5	0,7	0,7	0,8	0,2	0,2	0,2
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	0,5	0,1	0,4	0,6	0,1	0,2	0,2	0,0
Other receipts	3,8	3,9	3,8	3,3	3,2	3,7	2,4	2,5	2,6

INCOME AND LIVING CONDITIONS

4.29. Structure of household total resources, by household size

(average monthly per one household)

	2019						2020					
	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 resources, UAH	12118,5	5603,2	10807,8	13950,2	16588,7	20921,6	12432,3	5845,1	10963,7	14615,4	17489,8	19805,9
	Percent											
Money income	92,0	88,9	92,4	93,1	92,9	89,7	93,9	92,3	94,2	94,8	94,3	91,1
labour remuneration	57,3	36,6	48,8	65,0	68,7	57,2	58,3	36,2	47,7	70,3	67,1	56,4
income from entrepreneurship and self-employment	6,5	2,5	5,7	8,4	6,9	6,6	5,8	2,6	4,0	6,7	7,3	7,4
income from sales of agricultural products	2,4	2,1	2,7	2,1	2,2	2,8	2,2	1,5	2,4	1,9	2,1	2,9
cash pensions, stipends and benefits	19,2	34,7	28,0	11,6	10,5	17,4	20,8	38,2	33,4	10,3	11,5	18,1
monetary support from relatives and other individuals and other money income	6,6	13,0	7,2	6,0	4,6	5,7	6,8	13,8	6,7	5,6	6,3	6,3
Value of consumed products that were produced at private subsistence farms or individually procured	3,6	3,9	3,6	2,8	3,1	5,7	3,3	3,6	2,9	2,5	3,1	6,0
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	0,7	1,7	0,8	0,5	0,5	0,6	0,2	0,2	0,2	0,1	0,0	0,1
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	0,9	0,4	0,3	0,2	0,4	0,2	0,3	0,4	0,2	0,2	0,2
Other receipts	3,3	4,6	2,8	3,3	3,3	3,6	2,4	3,6	2,3	2,4	2,4	2,6

INCOME AND LIVING CONDITIONS

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

(average monthly per one household)

	2019					2020				
	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
Total resources, UAH	14862,4	14319,2	16493,4	16271,1	15747,4	15571,2	14861,3	18359,5	17178,1	19155,2
	Percent									
Money income	92,4	93,0	91,0	89,1	84,7	93,8	94,0	93,7	92,2	92,1
labour remuneration	64,9	65,9	64,7	39,3	31,8	68,0	70,0	62,6	60,8	41,3
income from entrepreneurship and self-employment	8,2	7,8	8,2	16,9	3,1	7,9	6,7	12,5	3,4	8,4
income from sales of agricultural products	2,2	2,2	1,8	6,6	4,1	1,8	1,8	1,6	2,6	4,4
cash pensions, stipends and benefits	10,4	10,1	10,1	20,7	39,3	9,6	9,1	10,0	19,4	34,0
monetary support from relatives and other individuals and other money income	6,7	7,0	6,2	5,6	6,4	6,5	6,4	7,0	6,0	4,0
Value of consumed products that were produced at private subsistence farms or individually procured	3,4	3,3	3,8	4,7	12,1	3,2	3,0	3,5	5,9	6,1
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	0,5	0,5	0,6	1,7	0,8	0,1	0,1	0,2	0,1	0,3
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	0,3	0,2	0,3	0,8	0,6	0,1	0,1	0,2	0,1	0,2
Other receipts	3,4	3,0	4,3	3,7	1,8	2,8	2,8	2,4	1,7	1,3

INCOME AND LIVING CONDITIONS

4.31. Structure of household total resources in 2020, by different total per capita equivalent income

(average monthly per one household)

	All house- holds	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	8000,1– 9000,0	9000,1– 10000,0	10000,1– 11000,0	11000,1– 12000,0	over 12000,0	for reference: under		
													2078,42 UAH¹	3847,21 UAH²	
Total resources, UAH	12432,3	5387,4	7577,5	9864,7	12410,9	14177,8	15507,6	16592,1	18093,6	20191,8	21961,9	30973,5	4394,8	6729,4	
Percent															
Money income	93,9	90,1	91,4	92,5	92,8	93,3	95,4	95,5	96,0	96,4	97,2	96,7	86,4	91,0	
labour remuneration	58,3	33,2	42,9	48,7	55,7	60,3	68,5	68,1	62,2	66,7	76,5	71,9	30,5	39,8	
income from entrepreneurship and self-employment	5,8	2,0	3,1	6,2	4,9	5,0	4,8	3,2	13,1	6,9	4,7	10,7	0,6	3,0	
income from sales of agricultural products	2,2	2,2	2,0	1,9	2,5	2,5	1,5	3,3	2,8	2,5	0,9	1,6	0,7	2,2	
cash pensions, stipends and benefits	20,8	40,9	34,7	27,3	22,0	18,8	15,4	16,0	11,9	13,2	9,7	8,8	36,4	36,7	
monetary support from relatives and other individuals and other money income	6,8	11,8	8,7	8,4	7,7	6,7	5,2	4,9	6,0	7,1	5,4	3,7	18,2	9,3	
Value of consumed products that were produced at private subsistence farms or individually procured	3,3	5,6	5,2	4,3	4,2	3,6	2,4	2,2	2,0	1,4	0,9	0,6	6,5	5,4	
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	0,2	0,1	0,2	0,1	0,1	0,1	0,1	0,2	0,0	0,1	0,1	0,1	0,1	0,2	
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	0,2	0,3	0,2	0,3	0,3	0,1	0,2	0,2	0,2	0,3	0,2	0,2	0,4	0,2	
Other receipts	2,4	3,9	3,0	2,8	2,6	2,9	1,9	1,9	1,8	1,8	1,6	2,4	6,6	3,2	

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			2019			2020		
	all house-holds	including by areas		all house-holds	including by areas		all house-holds	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	5,1	5,4	4,5	5,2	5,4	4,6
Milk and dairy products	19,8	19,6	20,2	19,0	18,9	19,2	18,9	18,8	19,2
Eggs, pcs	19	20	18	20	20	19	19	20	19
Fish and fish products	1,2	1,3	1,2	1,5	1,5	1,4	1,4	1,3	1,4
Sugar	2,8	2,7	3,1	2,6	2,5	2,9	2,4	2,3	2,8
Sunflower-seed oil and other vegetables oils	1,6	1,6	1,6	1,4	1,4	1,5	1,4	1,3	1,5
Potatoes	6,6	5,6	8,8	6,2	5,2	8,3	6,0	4,9	7,7
Vegetables, melons and gourds	8,8	8,7	8,9	8,8	8,6	9,1	8,7	8,5	9,2
Fruit, berries, nuts and grapes	3,1	3,6	2,2	4,0	4,7	2,6	3,7	4,3	2,7
Bread and bakery products	8,5	7,8	9,8	8,1	7,4	9,4	8,0	7,3	9,5

4.33. Foodstuffs consumed by households, by household size

(average monthly per capita; kg)

	2019						2020					
	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
Meat and meat products	5,1	6,3	5,9	5,1	4,4	4,1	5,2	6,6	6,1	5,2	4,4	4,0
Milk and dairy products	19,0	26,7	21,3	18,1	16,2	15,8	18,9	27,4	21,5	18,0	15,8	15,4
Eggs, pcs	20	21	23	19	19	16	19	21	22	19	18	16
Fish and fish products	1,5	1,8	1,7	1,4	1,2	1,2	1,4	1,7	1,7	1,3	1,1	1,0
Sugar	2,6	3,3	3,0	2,5	2,2	2,3	2,4	3,2	2,8	2,3	2,1	2,1
Sunflower-seed oil and other vegetables oils	1,4	2,2	1,7	1,3	1,1	1,4	1,4	2,2	1,6	1,2	1,0	1,4
Potatoes	6,2	8,1	6,8	5,5	5,3	6,7	6,0	8,2	6,4	5,2	5,1	5,8
Vegetables, melons and gourds	8,8	12,1	10,5	8,3	7,4	6,9	8,7	12,4	10,7	8,0	7,2	6,8
Fruit, berries, nuts and grapes	4,0	4,7	4,4	4,1	3,8	2,9	3,7	4,5	4,1	3,8	3,5	2,7
Bread and bakery products	8,1	12,3	9,3	7,3	6,7	6,9	8,0	12,5	9,0	7,2	6,8	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)

	2019					2020				
	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	4,5	4,7	4,2	3,4	3,0	4,6	4,8	4,1	3,9	3,6
Milk and dairy products	16,8	17,3	15,7	15,0	14,1	16,6	17,2	15,1	13,8	15,1
Eggs, pcs	18	19	17	15	16	18	18	17	15	14
Fish and fish products	1,3	1,3	1,1	1,2	0,8	1,1	1,2	0,9	0,9	1,1
Sugar	2,3	2,4	2,1	2,2	2,3	2,2	2,2	2,0	1,8	2,5
Sunflower-seed oil and other vegetables oils	1,2	1,3	1,1	1,4	1,2	1,2	1,2	1,2	1,1	1,1
Potatoes	5,6	5,7	5,2	5,2	7,0	5,2	5,2	4,9	4,9	4,6
Vegetables, melons and gourds	7,4	7,9	6,5	6,2	5,2	7,3	7,6	6,4	5,9	6,7
Fruit, berries, nuts and grapes	3,8	3,9	3,6	3,3	2,5	3,5	3,7	3,2	2,8	3,4
Bread and bakery products	6,8	7,0	6,3	6,0	7,8	6,8	6,9	6,5	6,3	7,4

**4.35. Foodstuffs consumed by households in 2020,
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	5,2	3,6	4,4	4,8	5,2	5,5	5,9
Milk and dairy products	18,9	14,1	16,3	17,7	18,7	20,9	20,8
Eggs, pcs	19	17	18	19	20	21	20
Fish and fish products	1,4	1,0	1,2	1,2	1,4	1,5	1,5
Sugar	2,4	1,9	2,4	2,3	2,5	2,6	2,6
Sunflower-seed oil and other vegetables oils	1,4	1,3	1,4	1,3	1,4	1,4	1,3
Potatoes	6,0	5,2	5,7	5,7	6,2	6,5	5,7
Vegetables, melons and gourds	8,7	6,7	8,1	8,0	9,3	9,2	9,6
Fruit, berries, nuts and grapes	3,7	2,4	2,9	3,4	3,7	4,0	4,4
Bread and bakery products	8,0	7,7	8,4	7,9	7,9	8,3	7,8

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	
						2078,42 UAH ¹	3847,21 UAH ²
Meat and meat products	6,8	6,4	6,8	6,8	6,6	3,1	4,1
Milk and dairy products	24,5	23,5	23,3	22,3	24,0	10,5	15,4
Eggs, pcs	22	23	21	21	22	15	18
Fish and fish products	1,8	1,6	1,5	1,6	1,6	0,7	1,1
Sugar	3,0	2,9	2,6	2,5	2,4	1,6	2,2
Sunflower-seed oil and other vegetables oils	1,5	1,6	1,3	1,3	1,3	1,0	1,3
Potatoes	6,2	6,3	5,6	5,4	4,9	4,9	5,5
Vegetables, melons and gourds	11,0	10,4	9,4	10,4	9,8	5,5	7,5
Fruit, berries, nuts and grapes	5,0	5,0	5,2	5,5	6,2	2,1	2,7
Bread and bakery products	8,4	8,2	7,6	7,2	7,0	6,3	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)

	2019							
	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	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

INCOME AND LIVING CONDITIONS

Table 4.36 continued

	2020							
	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	5,2	4,0	4,7	4,9	5,6	6,6	3,1	4,1
Milk and dairy products	18,9	15,3	17,6	18,1	20,6	23,4	10,5	15,4
Eggs, pcs	19	17	19	19	21	22	15	18
Fish and fish products	1,4	1,1	1,3	1,3	1,5	1,6	0,7	1,1
Sugar	2,4	2,2	2,3	2,4	2,6	2,7	1,6	2,2
Sunflower-seed oil and other vegetables oils	1,4	1,3	1,4	1,3	1,4	1,4	1,0	1,3
Potatoes	6,0	5,5	6,0	5,8	6,3	5,7	4,9	5,5
Vegetables, melons and gourds	8,7	7,3	8,3	8,8	9,5	10,3	5,5	7,5
Fruit, berries, nuts and grapes	3,7	2,7	3,2	3,6	4,0	5,3	2,1	2,7
Bread and bakery products	8,0	8,0	8,4	7,7	8,1	7,8	6,3	8,1

¹ in 2019 – 1902,08 UAH in 2020 – 2078,42 UAH

² In 2019 – 3660,94 UAH; in 2020 – 3847,21 UAH

4.37. Foodstuffs consumed

(per capita per year; kg)

	2000	2005	2010	2015	2017	2018	2019	2020
Meat and meat products	33	39	52	51	52	53	54	54
Milk and dairy products	199	226	206	210	200	198	201	202
Eggs, pcs	166	238	290	280	273	275	282	278
Fish and fish products	8,4	14,4	14,5	8,6	10,8	11,8	12,5	12,4
Sugar	37	38	37	36	30	30	29	28
Oil	9,4	13,5	14,8	12,3	11,7	11,9	12,0	12,3
Potatoes	135	136	129	138	143	139	136	134
Vegetables, melons and gourds	102	120	144	161	160	164	165	164
Fruit, berries and grapes	29	37	48	51	53	58	59	57
Bakery products	125	124	111	103	101	100	98	97

INCOME AND LIVING CONDITIONS

4.38. Consumed nutrients¹

(per capita per day)

	2000	2005	2010	2015	2017	2018	2019	2020
Calories, kcal	2661	2916	2933	2799	2707	2706	2691	2674
Proteins, g	78,6	86,0	87,5	84,3	84,3	84,3	84,3	83,9
Fat, g	71,7	89,7	99,2	92,0	89,9	90,8	91,8	92,7
Calcium, mg	825	927	893	904	874	872	879	880
Iron, mg	19,4	20,5	20,5	20,2	20,2	20,2	19,9	19,7
Retinol, µg	1004	1156	1088	1093	1044	1034	1049	1055
Equivalent of beta-carotene, µg	1472	1735	2035	2260	2241	2297	2310	2301
Equivalent of retinol and beta-carotene (RET+ ¹ / ₆ B-CAREQ), µg	1249	1446	1427	1470	1419	1418	1435	1440
Thiamine, mg	1,81	1,90	1,88	1,83	1,81	1,80	1,80	1,80
Riboflavin, mg	2,27	2,51	2,55	2,56	2,49	2,60	2,60	2,60
Niacin, mg	16,8	17,9	18,8	18,4	18,6	18,6	18,5	18,4
Ascorbic acid, mg	100	111	121	130	133	136	135	133

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	2020
Refrigerators and freezers	94	99	109	117	119	124	133
Washing machines	74	77	85	88	88	91	93
Vacuum cleaners	56	62	75	79	77	81	83
Colour TV sets	69	91	110	119	115	116	118
Computers, plane-tablets, notebooks, netbook ³	1	9	31	63	80	90	98
Microwaves multicooker ³	1	9	33	49	49	54	71
Kitchen combine	3	5	10	16	15	17	18
Conditioners	0	1	6	10	9	12	16
Satellite antennas	0	1	13	23	26	31	29
Sewing machines	48	35	28	25	23	21	22
Motorbikes, bicycles and scooters	43	44	47	52	53	57	67
Motorcycles, snowmobiles	7	4	2	2	2	2	2
Cars, minibuses ³	17	16	21	23	23	25	30
Mobile phones	...	44	167	197	201	203	231

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

³ Since 2020, it is included in the list of goods

INCOME AND LIVING CONDITIONS

4.40. Distribution of households by access to the Internet

	2015			2019			2020		
	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	14881,7	10037,5	4844,2	14783,3	10002,2	4782,1
Share of households that have access to the Internet at home	50,7	62,1	27,2	65,8	76,3	44,1	79,2	85,6	66,0
Share of persons ¹ who informed about using the Internet services during the last 12 months ²	49,1	58,8	30,4	70,1	77,4	55,9	75,5	81,0	64,3
of which by the place of usage ³ , percent									
home	91,7	95,1	78,9	90,0	94,0	79,2	85,0	89,8	76,0
office	12,3	12,7	10,9	15,4	17,2	10,6	18,4	20,6	12,6
training	6,4	5,4	10,1	7,8	7,9	7,5	10,1	10,0	10,2
community center with access to the Internet	0,3	0,2	0,6	0,7	0,6	1,0	0,4	0,3	0,6
commercial center with access to the Internet	0,3	0,2	0,8	0,1	0,1	0,2	0,1	0,1	0,0
any place via mobile phone	16,5	15,5	20,1	55,5	55,6	55,5	79,4	79,4	79,5
any place via other device with mobile access	1,1	1,2	1,1	0,7	0,6	1,2	0,7	0,6	0,9
other places (at friends and acquaintances)	8,1	6,0	16,2	7,6	7,3	8,5	8,4	8,0	9,2

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

² In 2015–2019, the population reported that they had used Internet services in the last 12 months

³ Distribution can surpass in total 100% since one person can use the Internet at several locations

INCOME AND LIVING CONDITIONS

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

(percent)

	2015			2019			2020		
	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 ²	49,1	58,8	30,4	70,1	77,4	55,9	75,5	81,0	64,3
of which for the purpose of ³ , percent									
sending (receiving) e-mail	24,5	26,1	18,5	26,9	30,2	17,7	33,1	35,9	25,9
interaction with public authorities	2,1	2,2	1,6	2,5	2,7	1,7	3,3	3,7	2,4
training and education	30,6	29,7	33,7	24,0	23,8	24,5	22,0	21,3	24,0
on-line reading/downloading newspapers, magazines	27,7	28,6	24,6	22,7	24,7	17,2	19,8	20,3	18,6
downloading movies, images, music; watching TV or video, etc	57,3	57,5	56,6	61,2	61,1	61,3	71,5	70,9	73,0
downloading software	4,8	5,1	3,7	3,7	3,9	3,3	4,1	4,6	2,8
phone talks via the Internet/Volp (Skype, iTalk, via web camera)	44,6	46,7	36,7	42,9	44,2	39,5	34,4	34,6	33,8
communication	50,1	50,1	50,2	50,4	48,5	55,5	59,3	57,8	63,1
banking servicing	8,5	9,7	3,9	21,0	23,8	13,3	36,2	40,8	24,5
search for the information connected with the health issues both for oneself and other persons	30,5	31,1	28,3	31,0	31,1	30,6	27,8	28,9	25,0
ordering (purchasing) goods and services	11,2	11,2	11,2	16,7	17,1	15,8	20,7	20,8	20,3
obtaining information on goods and services not named earlier	19,4	19,9	17,4	18,0	17,8	18,4	4,5	4,8	4,0

¹ See the first footnote to Table 4.40

² See the second footnote to Table 4.40

³ See the third footnote to Table 4.40

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	2017	2018	2019	2020 ²
Total housing stock	1015,0	1046,4	1079,5	973,8	984,8	993,3	1011,4	1014,8
Urban housing stock	643,2	669,9	693,0	592,5	599,4	605,5	621,3	624,9
Rural housing stock	371,8	376,5	386,5	381,3	385,4	387,8	390,1	389,9

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

² Since 2020, methodology for conducting the state statistical survey was changed, due to which units with an average number of employees less than 10 people did not report

5.2. Housing stock facilities by type of area

(percent)

	2005		2010		2015		2019		2020 ¹	
	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 accommodations²
equipped with

water supply	76,6	20,0	77,9	27,1	77,8	34,3	78,2	38,3	78,2	38,6
sewage	75,4	15,7	76,7	23,2	76,7	30,9	77,1	34,5	77,1	34,8
central heating	74,2	24,4	76,7	36,1	78,2	53,9	78,6	55,7	78,6	55,5
gas supply	81,8	84,1	82,5	84,5	82,8	84,1	81,8	83,7	81,5	83,2
hot water supply	59,7	5,4	60,9	11,5	63,2	21,8	61,6	25,0	61,0	25,2

¹ See the second footnote to Table 5.1

² In residential buildings, dormitories and non-residential buildings

COMMUNITIES AND HOUSING

5.3. Housing stock, by region¹

(thsd.sq.m of total size)

	Total housing stock				Urban housing stock			
	2010	2015	2019	2020 ²	2010	2015	2019	2020 ²
Ukraine	1079503	973786	1011361	1014775	692986	592539	621270	624922
Autonomous Republic of Crimea	39333	...	...	...	26065	...	...	...
oblasts								
Vinnitsya	43963	46778	48702	49132	16361	19192	21059	21501
Volyn	22124	23364	25324	25507	10080	10605	11792	11865
Dnipropetrovsk	79043	78931	81219	82732	64080	63937	66189	67737
Donetsk	101245	51242	51964	52061	90752	44356	44617	44727
Zhytomyr	33328	33743	34022	33699	16577	16755	16874	16557
Zakarpattia	28314	30414	32626	32960	10031	11143	12830	13104
Zaporizhzhya	40911	40935	41206	40677	29918	29881	30126	29748
Ivano-Frankivsk	32656	35415	38558	38902	13339	14424	16623	16830
Kyiv	54812	60549	65691	65013	27652	29633	32253	31348
Kirovohrad	24671	24833	25597	25776	14219	14471	15292	15581
Luhansk	55414	17808	18894	18784	47659	12588	13663	13589
Lviv	54254	57414	62040	64634	29858	31107	34688	37054
Mykolayiv	25965	25795	25516	25273	17058	16949	16667	16455
Odesa	53414	53421	58733	59280	32920	31711	36201	36749
Poltava	36996	36327	36570	35968	20086	19350	19567	19718
Rivne	24454	25545	29201	27821	10408	10775	13841	12455
Sumy	27725	28217	28543	28547	17079	17399	17750	17762
Ternopil	25371	27092	28637	28730	10320	11389	12521	12555
Kharkiv	63788	65269	66147	67367	49939	51007	51926	53139
Kherson	25927	25476	26573	26728	16482	15928	17047	17197
Khmelnyskiy	33314	34019	37880	38176	15299	15692	19451	19568
Cherkasy	33976	34363	34961	34622	15984	15924	16382	16132
Chernivtsi	20443	22139	23018	23090	7757	8496	9069	9081
Chernihiv	29757	29817	30665	30531	15113	14947	15768	15705
cities								
Kyiv	59713	64880	59074	58765	59713	64880	59074	58765
Sevastopol	8592	...	...	...	8237	...	...	...

¹ See the first footnote to Table 5.1

² See the second footnote to Table 5.1

COMMUNITIES AND HOUSING

5.4. Old housing stock, by region

	Number of residential building, units				Total area of dwellings, sq.m			
	2010	2015	2019	2020 ¹	2010	2015	2019	2020 ¹
Ukraine	48833	44453	46139	45598	4057803	3277838	3317905	3326464
Autonomous Republic of Crimea	668	...	...	...	87727	...	...	...
oblasts								
Vinnysya	3569	4071	4074	4090	184182	213797	206580	221369
Volyn	1157	857	807	675	76699	58361	53052	38187
Dnipropetrovsk	1810	1966	1999	1464	326229	331721	328003	233384
Donetsk	5838	2749	3296	3202	581792	206978	233057	236409
Zhytomyr	2768	3136	3319	3241	206174	210315	214140	182416
Zakarpattia	663	385	382	390	100505	29719	30387	28885
Zaporizhzhya	640	577	619	614	92944	87312	92987	91951
Ivano-Frankivsk	1079	1102	1033	1027	58842	62665	48072	47897
Kyiv	2366	2592	2735	2667	112773	125601	134562	120585
Kirovohrad	140	123	35	35	19762	20334	7474	7474
Luhansk	1856	399	345	395	235852	47888	38271	40350
Lviv	1199	1162	1061	1100	91608	92073	89785	112534
Mykolayiv	959	518	427	399	68225	46529	23036	21803
Odesa	4673	4687	5092	4305	372191	356998	390981	329238
Poltava	1683	2545	3366	3421	119047	170430	209165	201508
Rivne	1419	1676	1547	1506	84748	90416	98822	67736
Sumy	2558	3198	3576	3931	109956	146576	162406	182522
Ternopil	990	903	884	888	45210	40614	41971	39136
Kharkiv	4399	4113	3979	4643	563811	516499	503105	712752
Kherson	918	865	986	954	53252	44532	49511	47742
Khmelnyskiy	1889	1823	1932	1857	95090	91543	101406	94291
Cherkasy	3255	3225	3159	3066	196404	160567	147880	142504
Chernivtsi	829	182	150	141	47546	14585	11776	11433
Chernihiv	1207	1405	1138	1390	68419	70451	57740	71106
cities								
Kyiv	214	194	198	197	46388	41334	43736	43252
Sevastopol	87	...	...	...	12427	...	...	...

¹ See the second footnote to Table 5.1

COMMUNITIES AND HOUSING

5.5. Emergency housing stock, by region

	Number of residential building, units				Total area of dwellings, sq.m			
	2010	2015	2019	2020 ¹	2010	2015	2019	2020 ¹
Ukraine	13716	15414	17099	17254	1184481	1031568	1052936	1011359
Autonomous Republic of Crimea	179	...	...	...	96491	...	...	...
oblasts								
Vinnitsya	1363	1494	1449	1372	71577	80748	82260	74383
Volyn	225	185	164	162	16946	9158	8001	7918
Dnipropetrovsk	380	830	835	812	72151	73328	71277	54920
Donetsk	2471	1454	1677	1673	195286	108150	122518	127564
Zhytomyr	511	772	892	908	39933	52761	49865	46653
Zakarpattia	174	96	116	122	12643	5500	6193	5916
Zaporizhzhya	299	371	381	375	18320	27452	26726	25485
Ivano-Frankivsk	392	418	419	419	25315	24756	21230	20873
Kyiv	503	797	763	1023	36147	42423	46116	45583
Kirovohrad	19	4	4	5	7677	5178	5178	5165
Luhansk	232	116	185	169	52078	12871	24025	14876
Lviv	455	534	584	656	34877	41372	44427	53252
Mykolayiv	538	187	182	214	37247	12793	19086	20677
Odesa	1147	1562	2021	1961	133324	146179	117148	108875
Poltava	453	1059	1595	1531	21113	47182	75548	72965
Rivne	250	389	388	393	20310	25840	17495	18104
Sumy	422	752	893	902	17608	31394	37529	43212
Ternopil	530	713	742	722	28962	33404	34735	33760
Kharkiv	629	746	769	753	45643	48174	53685	44000
Kherson	384	427	526	488	33106	27063	33496	30383
Khmelnyskiy	372	497	514	500	23842	24373	25028	23681
Cherkasy	910	1072	1193	1177	52551	80337	66302	63864
Chernivtsi	642	440	415	408	47411	32707	29462	28518
Chernihiv	176	475	378	494	10321	22351	23488	28411
cities								
Kyiv	16	24	14	15	19419	16074	12118	12321
Sevastopol	44	...	...	...	14183	...	...	...

¹ See the second footnote to Table 5.1

6. EDUCATION

The section contains statistical data on institutions of pre-school, general secondary, vocational (vocational technical), tertiary and professional pre-tertiary education, training of post-graduates 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.

Institution of professional pre-tertiary education (IPPTE) is an educational institution whose main type of activity is the educational activity in the sphere of professional pre-tertiary education.

The production of statistical information about the network and activities of institutions of professional pre-tertiary education was launched since 2020/2021 school year taking into account the provisions of Ukraine's law *On professional pre-tertiary education*.

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

(end of year)

	2000	2005	2010	2015	2017	2018	2019	2020 ¹
Total institutions, thsd. ²	16,3	15,1	15,6	14,8	14,9	14,9	14,8	15,3
in urban areas	7,4	6,7	6,7	5,7	5,8	5,8	5,8	6,1
in rural areas	8,9	8,4	8,9	9,1	9,1	9,1	9,0	9,2
Enrollment capacity of the institutions, thsd. places ³	1117	1056	1136	1105	1141	1156	1155	1153
in urban areas	832	773	821	772	794	806	806	810
in rural areas	285	283	315	333	347	350	349	343
Total children at the institutions, thsd.	983	1032	1273	1291	1304	1278	1230	1151
in urban areas	824	840	1012	981	985	969	936	885
in rural areas	159	192	261	310	319	309	294	266
Percentage of total children of the specified age attending pre-school	40	51	53	55	59	61	63	63 ⁴
in urban areas	52	64	64	64	68	71	73	75 ⁴
in rural areas	18	27	32	40	42	43	43	42 ⁴
Children at the institutions per 100 places ⁵	88	98	112	114	112	108	105	98
in urban areas	99	109	123	126	123	119	115	108
in rural areas	56	68	82	87	86	83	80	73

¹ Information was compiled according to data from the State Information System for Education provided by the State Scientific Institution *Institute for Educational Analytics* of the Ministry of Education and Science of Ukraine

² In 2000–2014 and in 2020, included are institutions of pre-school education that did not work during a year and more for any reason; in 2015–2019, institutions that worked during a year

³ In 2000–2014, excluding places in pre-school educational institutions which did not work during a year or more for some reason

⁴ 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, 2021

⁵ Since 2010, excluding children at short-stay groups

EDUCATION

6.2. Pre-school educational institutions, by region

	Total institution, units						Enrollment, thsd.					
	2000	2005	2010	2015	2019	2020 ¹	2000	2005	2010	2015	2019	2020 ¹
Ukraine	16347	15058	15628	14813	14763	15335	983,0	1031,7	1272,7	1291,2	1230,4	1150,5
Autonomous Republic of Crimea	684	613	607	...	...	...	36,3	40,3	51,8	...	...	...
oblasts												
Vinnitsya	695	644	704	777	780	786	37,8	39,0	46,3	56,2	53,6	48,8
Volyn	305	355	444	483	479	488	17,0	23,1	31,7	37,9	36,8	33,5
Dnipropetrovsk	1115	954	939	964	981	1003	81,3	82,3	99,3	113,9	104,0	96,4
Donetsk	1402	1155	1144	559	481	568	107,0	105,7	125,0	55,1	46,2	45,7
Zhytomyr	482	575	644	687	667	668	28,4	29,8	38,7	46,6	43,4	40,6
Zakarpattia	505	506	532	572	595	598	20,1	26,9	35,5	47,5	44,7	39,6
Zaporizhzhya	655	544	526	522	511	538	44,2	44,4	52,3	57,4	52,2	48,7
Ivano-Frankivsk	285	283	334	402	457	464	17,5	20,0	27,6	33,6	36,4	33,9
Kyiv	776	710	682	735	771	806	44,5	44,9	56,8	69,8	71,7	68,0
Kirovohrad	566	505	530	508	442	486	23,5	24,0	27,6	32,6	29,8	26,5
Luhansk	644	576	528	237	250	270	41,4	42,8	50,9	15,0	14,5	13,6
Lviv	483	478	589	783	825	876	34,9	40,8	57,1	70,3	72,1	68,9
Mykolayiv	541	517	552	568	545	555	28,9	29,3	36,1	42,4	38,0	34,9
Odesa	735	743	744	756	751	851	45,4	51,7	62,9	74,6	72,7	69,4
Poltava	747	599	562	619	630	634	36,3	34,3	40,1	47,9	44,7	41,0
Rivne	263	265	397	510	542	555	18,2	22,3	32,8	41,1	41,4	37,8
Sumy	590	415	495	516	450	461	29,9	28,5	34,5	37,3	34,3	31,2
Ternopil	474	499	506	577	597	602	19,1	21,6	26,4	31,8	30,6	28,0
Kharkiv	742	612	633	712	742	753	55,1	55,4	67,9	79,0	77,4	74,1
Kherson	561	487	493	468	465	470	26,6	27,1	34,3	37,7	34,7	31,3
Khmelnyskiy	757	806	815	784	739	749	34,1	36,6	42,3	46,8	45,2	42,2
Cherkasy	791	691	696	664	635	617	36,1	35,8	39,4	43,2	38,7	35,1
Chernivtsi	252	309	353	379	372	385	15,3	21,2	27,4	32,2	31,2	28,3
Chernihiv	520	461	414	435	432	441	21,9	22,7	26,1	31,1	28,6	26,9
cities												
Kyiv	687	671	679	596	624	711	72,2	70,6	89,3	110,2	107,5	106,1
Sevastopol	90	85	86	...	...	...	10,0	10,6	12,6	...	...	...

¹ See the first footnote to Table 6.1

EDUCATION

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

(percent)

	2000	2005	2010	2015	2017	2018	2019	2020 ¹		
								total	in urban areas	in rural areas
Ukraine	40	51	53	55	59	61	63	63	75	42
Autonomous Republic of Crimea	37	48	48	...	...	...	...	...	...	...
oblasts										
Vinnitsya	38	51	55	65	69	71	72	70	94	46
Volyn	24	38	45	52	55	57	58	56	80	36
Dnipropetrovsk	48	58	57	63	65	67	68	68	75	40
Donetsk	53	62	61	... ²	... ²	... ²	... ²	... ²	... ²	... ²
Zhytomyr	35	47	55	66	69	71	72	72	91	48
Zakarpattia	25	37	42	53	56	57	58	55	73	45
Zaporizhzhya	49	59	59	64	66	67	68	69	79	40
Ivano-Frankivsk	20	28	34	40	44	47	50	49	77	31
Kyiv	48	59	60	67	70	72	72	70	79	57
Kirovohrad	39	53	55	62	67	69	70	68	84	43
Luhansk	39	51	50	... ²	... ²	... ²	... ²	... ²	... ²	... ²
Lviv	23	33	41	49	52	54	55	55	76	30
Mykolayiv	43	55	59	68	71	73	72	72	85	48
Odesa	37	49	47	54	56	57	58	58	70	40
Poltava	45	56	58	69	70	72	74	72	94	42
Rivne	23	32	41	54	57	60	62	60	87	42
Sumy	49	60	66	73	76	77	80	79	93	46
Ternopil	29	41	45	54	58	59	60	59	84	39
Kharkiv	46	53	54	62	64	67	68	69	77	41
Kherson	40	52	59	67	68	70	69	65	76	49
Khmelnyskiy	43	59	61	65	68	71	72	72	95	43
Cherkasy	49	65	66	70	73	74	75	74	92	52
Chernivtsi	26	45	53	57	60	62	62	60	83	46
Chernihiv	39	50	54	65	68	70	72	73	92	38
cities										
Kyiv	63	65	59	65	63	63	62	63	63	×
Sevastopol	63	68	62	...	...	...	...	...	...	...

¹ See the first and fourth footnotes 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	2019	2020 ¹	2000	2005	2010	2015	2019	2020 ¹
Ukraine	78,0	84,2	85,9	94,2	97,3	97,9	21,6	15,2	13,5	5,0	1,8	1,2
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	96,9	97,9	15,5	10,8	9,4	7,0	3,1	2,1
Donetsk	34,5	65,9	73,7	86,1	96,2	98,0	65,5	34,1	26,3	13,9	3,8	2,0
Zhytomyr	99,8	100,0	100,0	100,0	100,0	100,0	0,2	—	—	—	—	—
Zakarpattia	90,2	88,6	89,6	88,4	87,7	87,6	0,6	0,5	0,4	0,2	0,1	0,2
Zaporizhzhya	62,9	77,4	84,0	84,7	92,7	96,9	37,1	22,6	16,0	15,3	7,3	3,1
Ivano-Frankivsk	100,0	100,0	100,0	100,0	100,0	100,0	—	—	—	—	—	—
Kyiv	99,6	99,9	99,9	99,9	100,0	99,9	0,4	0,1	0,1	0,1	—	—
Kirovohrad	98,2	99,2	99,2	99,4	99,3	99,4	1,8	0,8	0,8	0,6	0,7	0,6
Luhansk	19,7	35,6	37,6	59,1	88,3	91,7	80,3	64,4	62,4	40,9	11,7	8,3
Lviv	99,7	99,9	99,8	99,8	99,9	99,8	—	—	—	—	—	—
Mykolayiv	90,4	96,2	95,9	96,8	99,5	99,4	9,6	3,8	4,1	3,2	0,5	0,6
Odesa	62,9	72,9	77,8	73,5	90,1	91,7	35,4	25,5	20,6	24,8	8,4	6,6
Poltava	98,3	99,1	98,8	99,6	100,0	100,0	1,7	0,9	1,2	0,4	—	—
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	100,0	2,3	2,5	1,3	0,7	0,2	—
Ternopil	100,0	100,0	100,0	100,0	100,0	100,0	—	—	—	—	—	—
Kharkiv	82,7	88,7	88,7	88,6	93,1	95,2	17,3	11,3	11,3	11,4	6,9	4,8
Kherson	83,2	86,3	87,4	88,2	99,7	99,5	16,8	13,7	12,6	11,7	0,1	0,2
Khmelnyskiy	99,9	99,9	99,96	100,0	99,9	99,9	0,1	0,0	0,04	—	—	—
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	89,3	88,5	0,2	—	—	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	99,8	0,1	0,1	—	0,02	—	—
Sevastopol	1,6	2,0	4,4	...	...	...	98,4	98,0	95,6	...	...	...

¹ See the first footnote to Table 6.1

At the end of 2020, 9,6 thsd. children in multi-national regions were taught in Hungarian, Romanian, Moldavian, Polish, Slovak, Bulgarian, Crimean Tatar and English languages.

EDUCATION

6.5. Tertiary educational institution in 1914–2020

(beginning of academic year)

	General secondary educational institutions ¹		Tertiary educational institution			
			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
2020/21	14873	4211	129 ⁴	166 ⁴	515 ⁵	1142 ⁵

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

⁴ Institutions of professional pre-tertiary education. Information was compiled according to data from the Unified State Electronic Database on Education (hereinafter - EDEBO), provided by the State Enterprise *Inforesource* of the Ministry of Education and Science of Ukraine (hereinafter - SE *Inforesource* MES)

⁵ Tertiary education institution. The information was prepared according to EDEBO data provided by *Inforesource* MES

EDUCATION

6.6. Enrollment in educational institutions

(beginning of academic year; thsd.)

	2000/01	2005/06	2010/11	2015/16	2017/18	2018/19	2019/20	2020/21
Total	9220	8605	7224	5692	5730	5819	5824	5766
General secondary educational institutions ¹	6764	5399	4299	3783	3922	4042	4138	4211
day	6647	5301	4228	3750	3894	4017	4116	4191
night (part-time), including distance learning	117	98	71	33	28	25	22	20
Professional (vocational and technical) educational institutions ¹	525	497	434	304	269	255	246	247
Institutions of professional pre-tertiary education	—	—	—	—	—	—	—	166 ²
Tertiary educational institution ³	1931	2709	2491	1605	1539	1522	1440	1142 ²
Per 10 thsd. population								
General secondary educational institutions ¹	1383	1151	939	885	925	959	988	1013
Professional (vocational and technical) educational institutions ¹	107	106	95	71	64	60	59	59
Institution of professional pre-tertiary education	—	—	—	—	—	—	—	40 ²
Tertiary educational institution ³	557	578	544	375	363	361	343	275 ²

¹ See the first footnote to Table 6.5

² The information was prepared according to EDEBO data provided by *Infocource* MES

³ See the second and third footnote to Table 6.5

At the beginning of the 2020/21 academic year, 49,0 thsd. pupils were trained in 354 general secondary educational institutions based on private ownership, 113,8 thsd. students were trained in 120 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	2017/18	2018/19	2019/20	2020/21
Institutions	22,2	21,6	20,3	17,3	16,2	15,5	15,2	14,9
Pupils	6764	5399	4299	3783	3922	4042	4138	4211
including grades 10–12 (10–16)	1049	975	570	432	404	427	456	462
Total teachers	577	543	515	444	440	441	440	440

In 2020, 3,0 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	2019/ 20	2020/ 21	2000/ 01	2005/ 06	2010/ 11	2015/ 16	2019/ 20	2020/ 21
Ukraine	22210	21589	20300	17337	15194	14873	6764	5399	4299	3783	4138	4211
Autonomous Republic of Crimea	645	632	609	...	...	...	295	223	177	...	...	...
oblasts												
Vinnytsya	1072	1040	976	883	772	747	245	205	160	153	165	167
Volyn	832	816	787	753	614	595	167	147	126	129	142	145
Dnipropetrovsk	1113	1094	1044	1002	880	862	492	378	298	309	337	342
Donetsk	1318	1235	1151	563	514	509	588	432	337	150	167	170
Zhytomyr	950	903	844	760	638	618	208	173	137	129	137	139
Zakarpattia	722	716	693	669	666	635	208	182	156	157	168	171
Zaporizhzhya	698	677	639	600	538	534	269	203	159	159	171	172
Ivano-Frankivsk	772	772	761	740	689	664	222	191	155	149	159	161
Kyiv	813	809	781	747	702	703	263	214	172	186	223	232
Kirovohrad	631	617	576	533	320	309	159	125	95	91	96	97
Luhansk	843	793	732	308	276	273	325	234	176	52	55	56
Lviv	1479	1487	1440	1386	1194	1181	390	328	263	260	283	287
Mykolayiv	672	651	592	554	484	477	187	147	114	111	119	120
Odesa	975	975	950	881	803	786	344	283	235	243	272	278
Poltava	962	870	786	694	606	584	222	178	135	128	136	138
Rivne	796	750	707	677	590	588	192	171	147	148	163	166
Sumy	704	658	592	531	422	404	172	130	98	93	98	99
Ternopil	925	920	889	837	699	687	170	145	116	106	111	112
Kharkiv	1007	984	917	818	740	734	373	285	223	230	254	259
Kherson	581	575	509	470	417	395	182	143	110	106	113	114
Khmelnyskiy	1103	1075	926	783	649	621	212	177	138	128	137	139
Cherkasy	719	699	679	630	556	533	199	158	118	110	116	118
Chernivtsi	462	454	447	432	403	396	138	121	100	98	105	107
Chernihiv	843	778	674	590	487	472	166	129	98	92	97	97
cities												
Kyiv	497	534	525	496	535	566	327	261	225	266	314	325
Sevastopol	76	75	74	...	...	...	49	36	31	...	...	...

EDUCATION

6.9. General secondary educational institution at the beginning of 2020/21 by region

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

	Total institu- tions	In which		Including property-based institutions					
		pupils	teachers	public ¹	in which		private	in which	
					pupils ²	teachers		pupils	teachers
Ukraine	14873	4211509	439613	14519	4162476	432545	354	49033	7068
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnysya	747	166922	19498	738	166119	19343	9	803	155
Volyn	595	144663	17681	591	144491	17634	4	172	47
Dnipropetrovsk	862	342029	28559	849	340942	28328	13	1087	231
Donetsk	509	169562	14300	504	169287	14245	5	275	55
Zhytomyr	618	138999	16891	614	138362	16807	4	637	84
Zakarpattya	635	170563	19160	624	169592	18991	11	971	169
Zaporizhzhya	534	172235	17050	526	171689	16931	8	546	119
Ivano-Frankivsk	664	161046	21550	659	160294	21443	5	752	107
Kyiv	703	232276	21343	658	228213	20620	45	4063	723
Kirovohrad	309	97336	10996	309	97336	10996	—	—	—
Luhansk	273	55672	6266	273	55672	6266	—	—	—
Lviv	1181	287541	34556	1159	284597	34027	22	2944	529
Mykolayiv	477	120140	11650	475	119964	11610	2	176	40
Odesa	786	278406	24397	743	271719	23474	43	6687	923
Poltava	584	138465	15171	579	138199	15107	5	266	64
Rivne	588	166532	19588	585	166376	19549	3	156	39
Sumy	404	98665	10758	402	98495	10726	2	170	32
Ternopil	687	111843	16013	687	111843	16013	—	—	—
Kharkiv	734	258776	22655	708	250039	21951	26	8737	704
Kherson	395	114203	11325	393	114097	11289	2	106	36
Khmelnyskiy	621	138670	16348	616	138183	16244	5	487	104
Cherkasy	533	117627	13813	526	117085	13704	7	542	109
Chernivtsi	396	107397	11991	392	106808	11916	4	589	75
Chernihiv	472	97165	11910	471	97000	11861	1	165	49
cities									
Kyiv	566	324776	26144	438	306074	23470	128	18702	2674
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	2017/18	2018/19	2019/20	2020/21
Total institutions	21965	21357	20095	17201	16060	15421	15106	14815
level 1 st	3144	2777	2016	1562	1374	1219	1114	1032
levels 1 st and 2 nd	6262	5754	5310	4524	3978	3606	3370	3103
levels ¹ 1 st –3 rd	12157	12418	12369	10779	10374	10270	10296	10360
special schools (boarding schools), educational and rehabilitation facilities and social rehabilitation schools ²	402	408	400	336	334	326	326	320
Total pupils at the institutions, thsd.	6647	5301	4228	3750	3894	4017	4116	4191
level 1 st	107	101	79	74	74	74	72	70
levels 1 st and 2 nd	707	497	364	302	292	277	263	246
levels ¹ 1 st –3 rd	5764	4642	3720	3330	3483	3622	3737	3833
special schools (boarding schools), educational and rehabilitation facilities and social rehabilitation schools ²	69	61	65	44	45	44	43	42
Total teachers, thsd.	572	539	511	441	437	439	438	438

¹ Including gymnasia, 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	2017/18	2018/19	2019/20	2020/21
Total institutions	245	232	205	136	120	100	88	58
Total pupils (including distance learning) ¹ , thsd.	117	98	71	33	28	25	22	20
of which grades 10–12 (10–16)	99	87	63	30	26	23	21	18

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	2019/20	2020/21	2000/01	2005/06	2010/11	2015/16	2019/20	2020/21
Ukraine	70	78	82	90	92	96	29	21	17	9	7	3
Autonomous Republic of Crimea	0,9	5	8	...	...	...	97	93	89	...	...	...
oblasts												
Vinnitsya	98	99	99,5	99,6	99,8	99,8	2	1	0,5	0,4	0,2	0,2
Volyn	99	99,7	99,8	99,9	100	99,99	1	0,3	0,2	0,1	0,0	0,01
Dnipropetrovsk	68	78	81	81	86	95	32	22	19	19	14	5
Donetsk	14	29	47	58	81	98,4	86	71	53	42	19	1,6
Zhytomyr	96	99	99	99,5	99,8	99,9	4	1	1	0,5	0,2	0,1
Zakarpattia	86	86	87	87	87	88	2	1	1	1	1	0,2
Zaporizhzhya	45	60	73	75	80	86,5	55	40	27	25	20	13,5
Ivano-Frankivsk	99	99,7	99,6	99,4	99,4	100	1	0,2	0,3	0,3	0,3	—
Kyiv	97	99	99	99,4	99,8	99,9	3	1	1	0,6	0,2	0,1
Kirovohrad	89	96	98	98	99	99	11	4	2	2	1	0,9
Luhansk	17	34	48	65	76	91	83	66	52	35	24	9
Lviv	98	99	99	99	99	99,5	2	1	1	1	0,7	0,3
Mykolayiv	74	87	92	92	93	98	26	13	8	8	7	2
Odesa	47	65	72	69	75	93	51	33	26	29	24	6
Poltava	93	97	98	99	99,7	99,9	7	3	2	1	0,3	0,1
Rivne	99,7	99,9	99,97	100	100	100	0,3	0,1	0,03	—	—	—
Sumy	83	93	96	96	98,9	99,6	17	7	4	4	1,1	0,4
Ternopil	99,7	99,8	99,9	99,9	100	100	0,3	0,2	0,1	0,1	—	—
Kharkiv	55	71	75	73	76	79	45	29	25	27	24	21
Kherson	76	83	85	84	92	97	24	17	15	16	8	3
Khmelnyskiy	98	99,3	99,5	99,5	99,8	99,9	2	0,4	0,2	0,2	—	—
Cherkasy	96	98	99	99	99,4	99,8	4	2	1	1	0,6	0,2
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	99,7	99,9	6	1	0,5	0,4	0,3	0,1
cities												
Kyiv	93	96	97	97	97,6	98,4	7	4	3	3	2,3	1,5
Sevastopol	2	2	3	...	...	...	98	98	97	...	...	...

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

Also at the beginning of the 2020/21 academic year, 17,6 thsd. children were taught in Hungarian, 16,3 thsd. in Romanian, 2,4 thsd. in Moldovian, 1,1 thsd. in Polish, 165 in English, 138 in Slovakian, 160 in German, 46 pupils in Bulgarian and 64 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
2020	345	343	2	222	214	8

In 2020, 64,1% of graduates of the 9th joined the 10th grade at day general secondary educational institutions, 1,1% were enrolled to part-time evening shift schools, 15,1% entered to professional (vocational and technical) educational institutions, and 18,7% 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	245,8	131,0	124,0
2020	711 ¹	246,9	127,9	114,1
Vocational training of persons in 2020 who have completed secondary education	×	60,5	41,9	36,0
got the profession with obtaining the complete general secondary education	×	169,3	59,9	51,3
obtained qualification without complete secondary education	×	7,6	4,3	4,2
involved in vocational training				
not working population	×	0,7	2,0	2,5
enterprise workers	×	8,2	15,5	15,8
involved in upgrading				
not working population	×	0,1	0,9	0,9
enterprise workers	×	0,5	3,4	3,4

¹ In addition to 708 institutions of the Ministry of Education and Science of Ukraine data include 3 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	2017	2018	2019	2020
Ukraine	266,8	286,6	247,3	165,0	141,3	133,5	124,0	114,1
Autonomous Republic of Crimea	8,7	10,0	9,0	...	...	...	...	...
oblasts								
Vinnitsya	10,9	14,5	11,3	7,9	6,9	6,8	6,4	5,8
Volyn	7,1	8,6	7,1	5,9	5,0	4,7	4,7	4,3
Dnipropetrovsk	20,0	24,5	23,9	16,9	14,4	13,0	12,5	11,8
Donetsk	28,4	29,7	24,4	6,7	6,2	6,3	6,3	5,2
Zhytomyr	7,1	6,9	5,8	5,2	4,2	4,1	3,6	3,3
Zakarpattia	5,1	5,4	4,8	3,4	2,7	2,6	2,4	2,2
Zaporizhya	13,0	15,3	10,9	8,4	6,5	6,0	5,9	5,7
Ivano-Frankivsk	5,4	6,8	6,2	5,6	4,4	4,5	4,1	4,0
Kyiv	9,0	9,9	7,6	5,6	5,0	4,7	4,3	4,2
Kirovohrad	7,6	7,9	5,8	4,1	3,0	3,0	2,9	2,8
Luhansk	18,7	17,1	15,1	3,0	2,5	2,3	1,9	1,9
Lviv	19,3	19,5	16,6	15,0	12,3	11,2	9,5	9,0
Mykolayiv	8,1	8,5	7,6	6,3	5,5	5,7	5,2	4,3
Odesa	9,2	10,0	10,1	8,9	7,8	7,5	7,1	6,3
Poltava	10,6	10,4	9,0	6,1	5,5	5,1	4,8	4,5
Rivne	5,8	6,6	6,3	6,3	5,8	5,4	5,2	5,1
Sumy	8,9	9,4	9,6	5,8	5,2	5,2	4,6	4,0
Ternopil	4,8	6,6	6,0	5,1	4,4	4,2	3,7	3,2
Kharkiv	15,5	15,8	11,2	7,7	6,7	6,3	5,9	5,5
Kherson	5,9	7,1	5,4	4,4	3,8	3,8	3,5	3,4
Khmelnyskiy	7,2	7,0	8,0	6,9	6,2	5,8	5,4	4,7
Cherkasy	6,2	5,8	5,3	5,3	4,4	4,5	4,1	3,7
Chernivtsi	3,9	4,7	4,0	3,7	3,2	3,1	2,9	2,6
Chernihiv	6,3	6,0	4,9	3,6	3,1	2,9	2,6	2,3
cities								
Kyiv	12,8	10,9	10,0	7,2	6,6	4,8	4,5	4,3
Sevastopol	1,3	1,7	1,4	...	...	...	...	...

EDUCATION

6.16. Institution of professional pre-tertiary and tertiary education beginning of the 2020/21 academic year¹

	Institution of professional pre-tertiary education	Tertiary educational institutions
Total institutions, units	129	515
Total students, thsd.	165,6	1141,9
full-time education	149,2	829,7
Number of persons enrolled for training², thsd.	53,4	277,1²
full-time education	46,1	227,2 ²
Number of person graduated from educational institutions³, thsd.	47,3	385,7
full-time education	41,2	242,8

¹ See the second footnote to Table 6.6

² The persons who for the first time were enrolled into tertiary educational institutions (excluding those who continue training in order to get higher educational degree (education and qualification level))

³ End of 2020

Institution of professional pre-tertiary education – 351 foreign students, in tertiary educational institution – 67,3 thsd. foreign students.

6.17. Admission and graduation of specialists by institutions of pre-tertiary education by sources of financing of education in 2020¹

	Number of persons enrolled for training	Including enrolled for training				Number of persons released from IPPTeI²
		Central budget		Under the contract		
		total	percentage of total number of the enrolled	total	percentage of total number of the enrolled	
Total	53437	35102	65,7	18335	34,3	47342
By education degree (education and qualification level)						
Bachelor	1675	309	18,4	1366	81,6	1164
Junior bachelor (junior specialist)	200	61	30,5	139	69,5	46178
Professional junior bachelor	51562	34732	67,4	16830	32,6	—

¹ See the second footnote to Table 6.6

² See the third footnote to Table 6.16

EDUCATION

6.18. Enrollment and graduation of experts by tertiary education institutions by source of financing in 2020¹

	Number of persons enrolled for training ²	Including enrolled for training				Number of persons graduated from tertiary educational institutions ³
		Central budget		contract		
		total	percentage of total number of the enrolled	total	percentage of total number of the enrolled	
Total	277057	117562	42,4	159494	57,6	385700
By education degree (education and qualification level)						
master	11088	4627	41,7	6461	58,3	130002
specialist	—	—	—	—	—	13156
bachelor	201027	76519	38,1	124507	61,9	186091
junior bachelor (junior specialist)	1434	416	29,0	1018	71,0	56451
Professional junior bachelor	63508	36000	56,7	27508	43,3	—

¹ See the second footnote to Table 6.6

² See the second footnote to Table 6.16

³ See the third footnote to Table 6.16

6.19. Institution of professional pre-tertiary and tertiary education beginning of 2020/21 academic year, by region¹

	Institution of professional pre-tertiary education		Tertiary educational institution	
	total	enrollment, thsd.	total	enrollment, thsd.
Ukraine	129	165,6	515	1141,9
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnitsya	6	8,4	17	39,3
Volyn	3	6,1	10	20,7
Dnipropetrovsk	3	13,8	51	82,7
Donetsk	7	7,9	21	27,5
Zhytomyr	7	5,0	12	22,3
Zakarpattia	5	4,2	9	20,2
Zaporizhzhya	5	10,7	16	49,0
Ivano-Frankivsk	3	6,2	13	32,2
Kyiv	9	7,2	12	18,8
Kirovohrad	6	3,8	9	11,6
Luhansk	3	1,8	10	17,9
Lviv	10	9,0	33	95,4
Mykolayiv	5	2,9	11	27,0
Odesa	9	13,5	31	75,1
Poltava	5	7,2	13	34,0
Rivne	1	5,2	11	24,3
Sumy	8	9,0	7	18,9
Ternopil	6	8,5	11	28,3
Kharkiv	8	5,6	55	124,2
Kherson	5	3,6	13	20,7
Khmelnyskiy	— ²	2,1	18	25,3
Cherkasy	1	1,3	15	32,4
Chernivtsi	5	3,5	11	22,3
Chernihiv	7	5,7	9	13,0
cities				
Kyiv	2	13,4	97	258,8
Sevastopol	...	...	...	...

¹ See the second footnote to Table 6.6

² Legal entities which conduct educational activities in the field of pre-tertiary education are excluded

EDUCATION

6.20. Training of postgraduate students

	2000	2005	2010	2015	2017	2018	2019	2020
Number of scientific institutions and tertiary educational institutions that have postgraduate training program, the end of year	418	496	530	490	475	431	417	408
Total postgraduate students, end of year	23295	29866	34653	28487	24786	22829	25245	25668
Number of persons enrolled into postgraduate courses	7744	9711	10626	9813	7274	7172	7381	6951
full-time education ¹	5153	6006	6503	6528	4435	4434	4446	4255
evening and part-time education ²	2591	3705	4123	3285	2839	2738	2935	2696
Number of persons who graduated from postgraduate courses	5132	6417	8290	7493	6087	6401	2913	4280
full-time education ¹	3715	4279	5212	4794	3990	4387	699	2694
evening and part-time education ²	1417	2138	3078	2699	2097	2014	2214	1586

¹ Before 2017, full-time

² Before 2017, part-time

6.21. Training of doctoral students

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

Person with disability is a person with stable disorder of body functions that when interacting with external environment could result in its life activities being restricted and due to this, the state must create the conditions for the his/her realization of rights on an equal basis with other citizens and ensure his/her social protection.

Disability as a measure of health loss is defined by the expert examination conducted in the institutions for medical and social assessment of the central executive body that ensures the shaping of the state policy in the sphere of health care.

Care home for the aged citizens and persons with disabilities is a stationary residential care institution for social protection. It is created for the day and night accommodation (residence) and care for the aged citizens and persons who for medical reasons require the nursing care, social and domestic, medical servicing, social services and a complex of rehabilitative measures.

Children's care home is a stationary social and medical institution designed to temporary (under six months) or permanent (more than six months) residence or accommodation of children with disability and aged from 4 to 18 year old, and persons with disability aged under 35 year old with physical, mental development and psychiatric disorders who for medical reasons require the nursing care, domestic servicing, medical aid, educational services, a complex of rehabilitation measures. According to the medical assessment, they are fit to stay in the mentioned institution regardless of availability of persons who are obliged to support then in line with legislation.

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.

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.

HEALTH CARE AND SOCIAL PROTECTION

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
2020	180	309	1,6	275	11

¹ Data for 1913 cover Ukraine within the frontiers of the former Ukrainian Soviet Republic before September 17, 1939, whereas for 1940–2020 the data cover the current territory of Ukraine

² Since 2008, excluding dental technicians

7.2. Health care indicators*(source: the Ministry of Health of Ukraine; thsd.)*

	2000	2005	2010	2015	2017	2018	2019	2020
Total medical practitioners (doctors) ^{1,2}	226	224	225	186	186	186	185	180
Total paramedical staff ²	541	496	467	372	360	345	330	309
Total hospitals ²	3,3	2,9	2,8	1,8	1,7	1,7	1,6	1,6
Total beds ²	466	445	429	333	309	302	295	275
Total out-patient medical institutions ²	7,4	7,8	9,0	10,0	10,4	10,5	10,6	10,6
Capacity of out-patient facilities, visits per shift	973	990	993	912	923	926	920	929

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	2017	2018	2019	2020
Ukraine	226,3	223,8	224,9	186,2	186,2	185,7	184,7	179,6
Autonomous Republic of Crimea	11,1	10,7	10,2	...	...	...	...	...
oblasts								
Vinnitsya	8,3	8,3	8,1	7,8	7,7	7,8	7,9	7,8
Volyn	4,2	4,1	4,0	3,9	4,0	3,9	4,0	3,9
Dnipropetrovsk	17,5	16,6	16,4	15,3	15,2	14,9	14,6	14,2
Donetsk	22,4	21,6	19,8	5,7	6,0	6,1	5,9	5,7
Zhytomyr	5,4	5,2	5,0	4,8	4,7	4,7	4,6	4,5
Zakarpattia	5,2	5,2	5,2	5,0	4,9	4,9	4,9	4,6
Zaporizhzhya	9,5	8,8	8,6	8,5	8,5	8,6	8,7	8,3
Ivano-Frankivsk	6,6	6,7	8,2	8,4	8,4	8,3	8,1	7,9
Kyiv	6,0	5,8	7,2	7,3	7,3	7,4	7,4	7,1
Kirovohrad	4,0	3,7	3,6	3,5	3,4	3,3	3,2	3,1
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	13,9	13,6	13,4	13,2
Mykolayiv	4,6	4,4	4,4	3,9	3,9	3,8	3,8	3,5
Odesa	11,9	11,2	11,7	11,2	11,2	11,1	11,3	11,1
Poltava	7,8	7,3	7,2	7,0	6,8	6,9	6,8	6,6
Rivne	4,6	4,7	4,8	4,8	4,8	4,8	4,8	4,7
Sumy	4,8	4,5	4,6	4,5	4,5	4,5	4,4	4,2
Ternopil	5,4	5,4	5,6	5,7	5,5	5,6	5,5	5,4
Kharkiv	15,2	15,8	15,9	15,6	15,5	15,3	15,2	14,8
Kherson	4,2	4,1	3,9	3,8	3,8	3,7	3,7	3,4
Khmelnyskiy	5,4	5,5	5,6	5,5	5,5	5,6	5,6	5,5
Cherkasy	5,4	5,1	5,0	4,8	4,7	4,6	4,6	4,4
Chernivtsi	4,4	4,9	5,6	5,4	5,4	5,3	5,3	5,1
Chernihiv	4,6	4,3	4,1	3,8	3,8	3,7	3,7	3,5
cities								
Kyiv	21,3	23,2	23,1	23,9	24,7	25,2	25,2	25,0
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	2017	2018	2019	2020
Ukraine	541,0	496,3	466,8	371,7	360,4	345,4	330,3	308,8
Autonomous Republic of Crimea	23,1	21,9	20,1	...	...	...	...	...
oblasts								
Vinnitsya	20,5	18,9	17,6	16,6	15,3	14,1	13,5	12,9
Volyn	11,8	11,3	11,3	10,8	10,4	10,0	9,4	8,7
Dnipropetrovsk	39,3	35,3	32,2	28,8	28,1	26,4	24,9	23,1
Donetsk	55,1	48,4	41,6	13,3	14,5	14,0	13,3	12,7
Zhytomyr	16,5	15,3	14,4	13,4	12,7	12,0	11,3	10,7
Zakarpattia	13,1	12,9	11,5	10,8	10,4	10,0	9,6	8,8
Zaporizhzhya	22,0	19,2	18,1	16,3	15,5	15,2	14,6	13,2
Ivano-Frankivsk	15,5	14,2	15,1	15,0	14,5	13,7	13,2	12,3
Kyiv	18,5	16,3	16,0	15,1	14,7	14,4	13,5	12,4
Kirovohrad	12,9	11,4	10,6	9,6	9,0	8,7	8,2	7,7
Luhansk	26,6	24,8	22,6	5,3	5,5	5,3	5,1	4,8
Lviv	30,5	30,1	28,5	26,4	25,4	24,3	23,2	21,7
Mykolayiv	12,3	11,1	10,1	9,2	8,7	8,2	7,7	7,2
Odesa	24,9	21,8	22,4	20,2	19,8	19,0	18,5	17,5
Poltava	19,4	16,8	15,2	13,9	13,4	12,8	12,4	11,8
Rivne	13,2	13,5	13,3	12,5	12,1	11,8	11,3	10,3
Sumy	14,5	13,0	12,7	11,7	11,4	10,8	10,0	9,2
Ternopil	12,5	12,2	12,1	11,6	10,8	10,3	9,8	9,2
Kharkiv	32,3	28,7	26,4	24,0	23,3	22,1	20,9	19,8
Kherson	12,2	11,3	10,4	9,6	8,8	8,5	8,1	7,2
Khmelnyskiy	14,7	13,8	14,2	13,5	12,7	12,2	11,7	10,8
Cherkasy	16,2	14,6	13,5	12,4	11,8	11,3	10,8	9,9
Chernivtsi	9,4	9,0	9,5	9,2	8,9	8,4	8,1	7,5
Chernihiv	15,1	13,3	12,3	11,0	10,5	10,1	9,6	8,7
cities								
Kyiv	34,6	33,4	31,3	31,5	32,2	31,8	31,6	30,7
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	2017	2018	2019	2020
Ukraine	466,0	444,9	428,7	332,7	308,7	301,6	295,1	274,6
Autonomous Republic of Crimea	19,3	17,9	17,2	...	...	...	...	...
oblasts								
Vinnitsya	16,1	15,6	14,3	11,5	10,8	10,6	10,3	9,8
Volyn	8,9	8,6	8,6	8,3	7,3	7,2	7,0	6,7
Dnipropetrovsk	40,3	37,5	35,3	29,0	28,3	27,9	26,7	24,7
Donetsk	44,3	41,7	38,5	12,9	12,8	12,7	12,5	11,7
Zhytomyr	11,4	10,8	10,2	9,8	8,5	8,1	8,0	7,7
Zakarpattia	10,8	10,2	10,0	8,8	8,5	8,3	8,2	7,1
Zaporizhzhya	20,8	18,3	16,7	15,6	14,4	14,2	13,8	11,8
Ivano-Frankivsk	12,8	12,7	12,5	11,2	10,5	10,2	9,9	9,1
Kyiv	15,5	14,3	15,0	13,6	12,7	12,5	12,3	11,3
Kirovohrad	11,0	10,3	9,8	8,7	8,1	8,0	8,3	7,4
Luhansk	25,8	25,7	24,1	7,2	6,4	6,2	6,2	4,9
Lviv	25,8	24,8	24,7	22,7	20,8	19,6	18,9	17,9
Mykolayiv	11,1	10,6	10,2	9,8	8,1	7,9	7,3	6,9
Odesa	22,7	21,8	22,4	19,7	18,5	17,9	17,6	16,3
Poltava	14,4	13,8	13,4	12,3	11,1	11,0	10,4	10,2
Rivne	10,3	10,5	10,5	9,6	8,6	8,5	8,4	7,9
Sumy	11,9	11,4	11,2	9,8	9,0	8,7	8,2	7,4
Ternopil	10,7	10,1	9,9	9,4	8,7	8,7	8,3	7,8
Kharkiv	29,0	27,8	25,2	24,0	22,4	22,3	21,8	21,4
Kherson	11,2	11,8	11,1	9,7	8,0	7,8	8,6	6,5
Khmelnyskiy	13,2	12,2	12,3	11,1	10,0	9,9	9,6	9,0
Cherkasy	12,9	12,1	11,5	10,4	9,8	9,7	9,5	8,8
Chernivtsi	8,2	8,3	8,1	7,2	6,6	6,5	6,6	6,4
Chernihiv	14,2	13,0	12,6	11,1	9,4	9,2	8,9	7,9
cities								
Kyiv	30,3	30,1	30,0	29,3	29,4	28,0	27,8	28,0
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	2017	2018	2019	2020
Ukraine	973,0	989,9	992,8	912,3	922,9	926,5	920,4	929,0
Autonomous Republic of Crimea	35,1	34,9	34,3	...	...	...	...	...
oblasts								
Vinnitsya	25,3	25,8	26,1	34,8	33,6	33,3	33,3	33,3
Volyn	17,9	18,0	18,3	18,6	18,7	19,1	19,2	19,5
Dnipropetrovsk	93,7	93,2	90,9	95,6	94,5	92,8	85,0	84,2
Donetsk	86,4	94,0	85,3	36,3	36,3	36,9	37,3	36,9
Zhytomyr	32,5	32,3	32,1	32,6	32,4	32,2	32,6	36,0
Zakarpattia	24,2	24,8	27,6	29,8	30,1	30,8	31,1	31,3
Zaporizhzhya	36,4	37,1	37,0	40,1	39,3	39,1	38,1	37,3
Ivano-Frankivsk	20,5	20,6	23,2	27,2	27,9	28,4	28,6	28,3
Kyiv	35,1	34,3	36,0	39,7	38,7	39,8	40,0	40,6
Kirovohrad	27,2	27,0	28,8	28,9	28,7	28,2	28,6	28,0
Luhansk	53,9	53,4	48,9	18,5	18,4	18,2	18,6	17,8
Lviv	47,3	48,0	48,9	50,0	51,6	50,9	50,9	50,0
Mykolayiv	23,3	22,3	23,1	25,4	25,4	25,4	24,9	24,8
Odesa	48,3	50,9	49,0	49,0	50,3	50,1	50,7	50,0
Poltava	37,2	38,1	38,5	37,0	37,8	37,4	38,9	39,6
Rivne	22,7	23,7	24,5	28,8	24,4	25,7	26,6	33,2
Sumy	26,9	27,5	27,5	26,9	26,8	28,6	28,4	27,6
Ternopil	19,8	20,2	21,2	21,7	21,7	21,7	21,8	21,9
Kharkiv	57,2	60,9	62,4	67,1	77,0	76,5	76,6	78,0
Kherson	21,0	21,4	21,5	21,4	24,6	24,6	24,6	25,1
Khmelnyskiy	25,8	25,2	25,4	26,2	26,5	26,2	26,2	26,5
Cherkasy	27,4	27,6	29,8	30,4	31,0	31,8	31,2	32,2
Chernivtsi	15,1	15,9	17,0	17,4	17,7	17,6	18,0	18,1
Chernihiv	24,1	23,8	24,3	25,2	25,1	25,1	25,1	24,7
cities								
Kyiv	81,1	81,6	83,3	83,7	84,4	86,1	84,1	84,1
Sevastopol	7,6	7,4	7,9	...	...	...	...	...

HEALTH CARE AND SOCIAL PROTECTION

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

	2000	2005	2010	2015	2017	2018	2019	2020
Total cases								
Acute intestinal diseases, thsd.	102,5	83,2	87,5	95,7	112,1	96,8	86,9	36,0
Typhoid fever and paratyphus A, B and C	103	90	8	4	7	7	2	2
Infections caused by salmonella, thsd.	8,0	7,5	9,8	8,3	7,3	7,7	8,6	3,8
Virus hepatitis, thsd.	38,6	26,9	12,2	12,4	12,4	12,0	12,6	6,6
Flu and acute infections of respiratory organs, mln.	9,8	8,5	8,6	6,6	6,5	6,6	6,0	5,8
Scarlet fever, thsd.	16,1	10,3	14,4	8,0	8,8	10,5	14,5	5,6
Diphtheria	365	98	17	2	—	10	21	—
Whooping cough, thsd.	2,2	1,5	1,1	2,4	2,5	2,2	2,3	1,0
Tetanus	36	16	13	12	17	19	15	12
Acute poliomyelitis	6	1	—	—	—	—	—	—
Measles, thsd.	0,8	2,4	0,0	0,1	4,7	53,2	57,3	0,3

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	2019	2020	2000	2005	2010	2015	2019	2020
Total newly registered HIV infected persons	6,3	13,8	20,5	15,9	18,5	17,6	0,7	4,2	5,9	8,5	7,5	4,1
Total patients registered at medical institutions, end of year	30,7	62,9	110,5	126,8	140,6	148,6	0,9	5,1	14,0	34,1	47,4	47,8

¹ Including foreign citizens

At the end of 2020, 54,1% of HIV infected and registered as HIV positive persons were males and 30,3% were those infected through drug injections.

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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	2015	2020	2000	2005	2010	2015	2020
Ukraine	6307	13786	20521	15892	17637	653	4220	5871	8475	4145
Autonomous Republic of Crimea	412	896	1086	...	...	92	235	182	...	...
oblasts										
Vinnnytsya	101	248	359	303	271	8	82	180	183	152
Volyn	96	158	214	278	174	3	26	99	128	61
Dnipropetrovsk	920	2045	3259	2881	3887	17	778	1116	2047	538
Donetsk	1503	2997	4031	1024	1376	73	1343	1226	645	538
Zhytomyr	59	225	463	462	340	7	68	133	216	122
Zakarpattia	17	36	62	71	101	1	9	3	52	18
Zaporizhzhya	144	406	558	573	512	18	102	195	377	94
Ivano-Frankivsk	18	74	170	180	86	4	8	41	85	11
Kyiv	63	333	753	973	882	3	95	192	408	207
Kirovohrad	45	173	302	519	475	1	13	75	230	155
Luhansk	153	525	746	184	157	5	67	295	102	36
Lviv	89	209	479	454	320	5	43	153	189	98
Mykolayiv	453	802	1107	863	668	75	288	82	371	186
Odesa	977	1349	2143	2385	3894	275	442	461	1407	977
Poltava	121	303	413	450	288	—	80	183	256	39
Rivne	22	82	244	249	159	4	9	23	86	46
Sumy	36	92	217	224	150	3	21	67	99	57
Ternopil	60	65	105	116	87	—	14	39	41	20
Kharkiv	153	401	527	527	726	8	42	126	204	166
Kherson	195	327	560	521	548	18	61	133	187	96
Khmelnyskiy	110	241	297	194	195	1	48	105	128	84
Cherkasy	151	300	471	542	387	3	94	173	262	85
Chernivtsi	25	62	102	98	66	9	23	18	50	32
Chernihiv	84	236	507	498	457	1	27	115	238	65
cities										
Kyiv	217	1023	1088	1323	1431	15	73	371	484	262
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	2017	2018	2019	2020
Total newly registered	156,6	157,5	156,2	134,1	135,5	135,6	136,1	109,7
Total patients registered at medical institutions, end of year	768,3	864,3	988,6	961,8	1010,9	...	...	...

7.11. Incidence of malignant tumours in 2020, by location*(source: the Ministry of Health of Ukraine; persons)*

	Total	Including	
		males	females
Total newly registered	109744	52335	57409
including malignant tumour			
lips, mouth and throat	4238	3488	750
oesophagus	1335	1187	148
stomach	5847	3533	2314
rectum	6297	3456	2841
larynx	1525	1462	63
trachea, bronchi, lungs	10185	8136	2049
skin	12382	5270	7112
mammary glands	12299	86	12213
womb	9200	x	9200
kidney	3726	2152	1574
urine bladder	3479	2831	648
thyroid gland	2453	472	1981
lymphatic and hemogenic tissue	5732	2911	2821

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

	2000	2005	2010	2015	2017	2018	2019	2020
Total newly registered	29,8	39,6	31,3	23,9	22,0	21,3	20,6	14,3 ¹
including active form of tuberculosis of respiratory organs	27,9	37,8	29,5	22,7	20,9	20,2	19,5	13,6
Total patients registered at medical institutions, end of year	122,9	103,2	78,6	36,2	32,5	...	...	...

¹ Among the persons newly registered as sick of active form of tuberculosis in 2020, 68,6% were males, and 94,8% were sick of respiratory tuberculosis

HEALTH CARE AND SOCIAL PROTECTION

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

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	29753	39608	31295	23896	21995	21314	20643	14298
Autonomous Republic of Crimea	1190	1743	1639	...	...	...	...	...
oblasts								
Vinnitsya	999	1199	925	758	620	642	692	424
Volyn	611	714	580	653	601	546	519	390
Dnipropetrovsk	2329	2841	3140	2566	2081	1971	2048	1603
Donetsk	3364	4816	3570	1086	1154	1148	1071	880
Zhytomyr	932	1295	978	830	766	743	707	435
Zakarpattya	616	737	744	749	743	751	760	550
Zaporizhzhya	1303	1736	1219	1085	1022	1057	929	692
Ivano-Frankivsk	837	1101	911	845	705	647	581	334
Kyiv	989	1244	988	1194	1159	1112	1083	733
Kirovohrad	736	1184	823	747	674	624	639	424
Luhansk	1997	2784	1904	316	340	406	345	255
Lviv	1748	2023	1678	1509	1356	1304	1261	878
Mykolayiv	941	1365	1076	803	686	656	619	454
Odesa	1720	2292	1842	2446	2561	2732	2680	1742
Poltava	830	879	789	789	749	683	577	416
Rivne	776	940	679	636	506	485	480	352
Sumy	724	724	597	623	603	602	538	351
Ternopil	509	756	594	409	394	349	361	190
Kharkiv	1593	2563	1592	1182	1141	1066	1069	743
Kherson	1122	1978	1167	875	770	683	631	456
Khmelnyskiy	786	887	707	724	612	592	579	376
Cherkasy	730	931	769	716	617	562	542	384
Chernivtsi	428	512	443	364	289	250	313	165
Chernihiv	792	901	749	677	602	582	468	355
cities								
Kyiv	956	1228	950	1314	1244	1121	1151	716
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	2017	2018	2019	2020
Total newly registered								
syphilis	45,2	19,8	7,5	3,2	2,8	2,5	2,5	1,6
gonorrhoea	26,1	18,2	10,1	5,7	4,8	4,1	3,3	1,7
Total sick of syphilis registered at medical institutions, end of year	168,1	96,2	54,9	26,3	22,2	...	...	...

7.15. Abortions

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

	2000	2005	2010	2015	2017	2018	2019	2020
Total abortions ¹	434	264	177	106	95	87	80	65

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

	2000	2005	2010	2015	2017	2018	2019 ¹	2020 ¹

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	4,0	4,4	6,6 ²
including fatal accidents	1,2	1,0	0,6	0,3	0,3	0,3	0,4	0,4

The duration of temporary incapacity for work of accident victims that ended in the reference year, working days	...	769	492	212	224	215	230	181

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	0,5	0,6	0,9
including fatal accidents	0,095	0,084	0,056	0,040	0,038	0,036	0,055	0,054
Total days of disability	...	65,7	47,4	26,3	31,7	28,0	30,9	24,6

Per 1 injured

Total person of disability	...	36,3	40,2	47,7	55,4	53,2	52,3	27,2

¹ Source: the Social Insurance Fund of Ukraine² Therefore, 42 of the injured were transferred to easier job

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7.17. Number of persons with disabilities, by region¹*(as of January 1, 2021)*

	Total	Including			
		1 st group	2 nd group	3 rd group	children with disabilities
Ukraine	2724082	215020	897086	1449053	162923
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnysya	124970	10612	32212	75491	6655
Volyn	81913	8296	26287	41920	5410
Dnipropetrovsk	175047	13309	46570	101864	13304
Donetsk	160845	11834	44117	97900	6994
Zhytomyr	112579	10322	42477	53821	5959
Zakarpattia	76614	5904	19910	43716	7084
Zaporizhzhya	108985	9257	32246	60390	7092
Ivano-Frankivsk	107242	8458	31950	60621	6213
Kyiv	128557	9994	53988	56061	8514
Kirovohrad	59530	4420	15924	35346	3840
Luhansk	49367	4082	16335	26805	2145
Lviv	213759	16880	50283	135346	11250
Mykolayiv	67642	5844	17446	39261	5091
Odesa	158989	12764	74029	63667	8529
Poltava	100174	7153	38815	48933	5273
Rivne	74199	5715	18875	43065	6544
Sumy	61392	5832	18011	33227	4322
Ternopil	71557	5529	18613	42575	4840
Kharkiv	164649	10626	60433	84320	9270
Kherson	50621	3802	13175	29575	4069
Khmelnyskiy	147652	9148	49238	83864	5402
Cherkasy	131214	9578	63706	53341	4589
Chernivtsi	57172	4729	14418	33568	4457
Chernihiv	78393	8074	24447	41582	4290
cities					
Kyiv	161020	12858	73581	62794	11787
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 2020*(source: the Ministry of Health of Ukraine)*

	Thsd.		Percent	
	total ¹	including of working age	total ¹	including of working age
Total	117,7	95,6	100,0	100,0
due to the following diseases				
infectious and parasitic diseases	4,1	4,0	3,5	4,2
neoplasm	28,1	20,9	23,9	21,9
blood and hemogenic organs and selected disorders involving the immunity	0,2	0,2	0,2	0,2
endocrine system, nutrition and metabolic disorders	5,7	4,7	4,8	4,9
psychological and behavioural disorders	5,8	5,2	4,9	5,4
central nervous system	5,5	5,0	4,7	5,3
eyes and eye adventive organ	3,2	2,6	2,7	2,8
ears and mamillary appendix	0,7	0,7	0,6	0,7
blood circulation	27,7	20,3	23,6	21,2
respiratory organs	2,0	1,8	1,7	1,9
digestion organs	2,8	2,6	2,4	2,7
urogenital system	1,6	1,3	1,3	1,3
bony and muscle systems and connective tissue	16,7	13,9	14,2	14,6
traumas, poisoning and consequences of other external reasons	10,2	9,3	8,7	9,7
other reasons	3,2	3,1	2,8	3,2

¹ Population aged 18 and older

Of total number of the injured, 2,5 thsd. persons were recognised disabled due to a work related injury or an occupational disease, of whom 2,3 thsd. persons (88,8%) were of working age.

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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			
	2005	2010	2015	2020	2005	2010	2015	2020
Ukraine	212,2	173,5	138,2	117,7	64,9	54,0	47,9	43,1
Autonomous Republic of Crimea	11,3	7,2	...	...	4,0	2,3	...	...
oblasts								
Vinnnytsya	7,8	7,2	7,0	5,3	3,6	3,4	3,2	2,5
Volyn	4,0	3,7	3,8	2,9	1,8	1,6	1,8	1,4
Dnipropetrovsk	15,5	11,7	11,0	8,8	2,0	1,7	1,8	1,4
Donetsk	24,4	16,7	6,7	6,1	2,7	1,5	1,0	1,4
Zhytomyr	6,3	5,2	4,6	4,3	2,5	2,2	1,9	1,8
Zakarpattya	5,3	4,3	3,9	3,3	3,7	3,0	2,7	2,3
Zaporizhzhya	7,9	7,2	6,9	6,4	1,5	1,4	1,4	1,3
Ivano-Frankivsk	5,5	4,5	4,8	4,5	3,1	2,4	2,6	2,8
Kyiv	7,1	6,4	6,4	5,5	2,8	2,4	2,5	2,2
Kirovohrad	4,6	3,7	3,7	2,8	1,6	1,5	1,4	1,3
Luhansk	10,6	8,8	2,1	1,6	2,6	1,4	0,7	0,4
Lviv	11,3	10,9	11,2	9,3	4,3	4,5	4,8	4,2
Mykolayiv	6,2	5,0	4,2	3,2	2,0	1,6	1,4	1,0
Odesa	12,9	9,4	7,9	7,3	4,7	3,7	3,2	3,4
Poltava	6,6	5,9	5,7	6,0	2,6	2,4	2,3	2,6
Rivne	5,0	4,3	3,7	3,0	2,5	2,2	2,1	1,7
Sumy	3,9	3,8	3,5	2,9	1,1	1,0	1,0	0,8
Ternopil	4,9	4,0	3,9	3,3	2,8	2,2	2,3	2,1
Kharkiv	9,9	8,8	8,5	7,3	1,7	1,5	1,8	1,3
Kherson	5,0	3,7	3,4	2,5	1,9	1,3	1,1	0,8
Khmelnyskiy	5,7	5,5	4,4	4,6	2,4	2,7	1,9	1,9
Cherkasy	6,2	5,7	4,1	3,7	2,4	2,1	1,6	1,6
Chernivtsi	4,0	3,2	3,2	2,7	2,3	2,0	1,9	1,7
Chernihiv	5,7	5,1	4,1	3,3	2,2	1,9	1,5	1,2
cities								
Kyiv	12,5	9,6	9,5	7,1	×	×	×	×
Sevastopol	2,1	2,0	...	...	0,1	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	2017	2018	2019	2020
Total care homes	275	319	323	290	286	284	282	281
including beds, thsd.	53,0	57,1	58,4	50,1	49,5	49,2	49,2	48,4
of which								
for the aged persons and adult persons with disabilities	43,8	48,3	50,3	43,2	43,0	43,4	43,7	43,4
for children and the youth with disabilities	9,2	8,8	8,1	6,8	6,5	5,8	5,5	5,0

In 2020, 643 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 1004,8 thsd. persons.

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**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	2010	2015	2020	2000	2005	2010	2015	2020
Ukraine	275	319	323	290	281	52997	57124	58349	50081	48448
Autonomous Republic of Crimea	10	10	11	...	...	1802	1932	1985	...	...
oblasts										
Vinnitsya	10	10	10	10	9	2041	2041	2041	2041	1951
Volyn	6	6	6	6	6	915	915	915	835	835
Dnipropetrovsk	18	18	18	18	17	3720	3716	3925	3907	3692
Donetsk	17	19	21	10	10	5185	5914	6194	3101	2736
Zhytomyr	12	15	15	15	15	2249	2644	2630	2617	2574
Zakarpattia	7	7	7	7	7	1396	1422	1310	1317	1312
Zaporizhzhya	11	11	11	12	10	2240	2390	2590	2777	2615
Ivano-Frankivsk	8	8	9	9	8	1325	1325	1440	1265	1260
Kyiv	9	12	10	11	11	1699	1982	1874	2055	1976
Kirovohrad	12	12	12	12	12	1590	1885	1890	1905	1896
Luhansk	14	19	20	10	10	2616	3268	3540	1298	1288
Lviv	13	13	13	13	13	1650	1748	1808	1757	1871
Mykolayiv	10	10	10	10	10	1417	1542	1553	1553	1553
Odesa	10	10	10	10	10	2149	2140	2180	1988	1925
Poltava	14	14	14	14	14	2600	2675	2555	2350	2305
Rivne	7	7	7	7	7	1165	1151	1214	1210	1235
Sumy	13	13	13	13	12	1957	2011	2001	1915	1915
Ternopil	7	7	7	7	7	1276	1276	1276	1046	886
Kharkiv	16	18	18	18	18	3675	3660	3315	3352	3165
Kherson	6	11	11	11	10	1443	1650	1688	1571	1534
Khmelnyskiy	7	31	31	29	27	1095	2027	2025	2025	2050
Cherkasy	14	14	14	14	14	2205	2225	2317	2326	2301
Chernivtsi	7	7	7	7	7	935	871	1140	1145	1103
Chernihiv	9	9	9	9	9	1975	2028	2117	2018	1990
cities										
Kyiv	7	7	8	8	8	2507	2507	2647	2707	2480
Sevastopol	1	1	1	...	...	170	179	179	...	...

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7.22. Cash benefits to low-income persons incapable of working*(source: by Pension Fund of Ukraine; as of January 1, 2021)*

	Total, thsd. persons	Including in rural areas	Average amount of monthly benefit per person, UAH
Total	319,5	140,2	43,47
of which pensioners			
due to disability	28,4	11,7	51,41
survivors who lost their benefactor	0,2	0,1	49,50
those receiving social pension	63,7	33,0	41,01
Out of the total number to lonely pensioners	2,8	1,2	54,43

7.23. Provision of targeted in-kind and monetary aid by entity rendering social services in 2020*(source: the Ministry of Social Policy of Ukraine)*

	Total, thsd. persons	Of which 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	566,8	407,1	271,7	82,9	475,1	2883,97	356,13
of which							
old-age persons, with disables, patients without relatives, who must provide them with care and assistance	353,1	261,1	170,2	50,6	312,1	3636,94	406,99
persons who enjoy special conditions of free service	53,8	37,5	22,4	8,5	46,7	3339,02	275,86
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	40,0	29,3	16,1	14,2	33,3	1462,20	375,88
internally displaced persons	4,7	3,5	1,2	0,3	4,7	2328,93	153,50
family members of the ATO participants	3,5	1,4	2,0	0,9	3,0	1365,43	81,31

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.

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

	2000	2005	2010	2015	2017	2018	2019	2020
Boarding schools for orphans and children deprived of parents' guardianship ²								
institutions	44	54	77	23	9	9	8	8
enrolment ³	12254	11954	10135	2078	754	484	480	457
Children's homes								
institutions	83	109	113	42	34	30	27	22
of which by system the Ministry of Education and Science	82	105	110	40	32	28	25	22
enrollment ³	5552	6434	4771	1490	1442	1238	1070	900
of which by system the Ministry of Education and Science of Ukraine	5535	6341	4686	1444	1372	1187	1010	900
Homes of the child under the Ministry of Health of Ukraine								
institutions	47	50	48	40	40	39	39	40
enrollment ³	4992	5267	3666	2415	2675	2764	2699	2387
Children care homes under the Ministry of Social Policy of Ukraine								
institutions	58	56	55	49	48	42	40	36
Enrolment (children ³ and youth)	7977	7475	6879	5861	5692	5074	4706	4402
Shelters for minors								
institutions	86	96	88	10	8	7	5	5
children ^{3,4}	27773	23674	11978	1123	1122	906	755	549

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 2020, 8534 children resided at 1235 family type children's homes, 5982 children in 3172 foster homes, and 6029 children in 75 centres of social and psychological rehabilitation.

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

	2000	2005	2010	2015	2017	2018	2019	2020
Quantity of adopted children during the year	7692	5241	4865	3212	2925	2757	2878	1964
Ukrainian citizens, total	5492	3085	3616	2808	2589	2379	2491	1709
from orphans and children deprived of parental guardianship	2043	1419	2247	1489	1518	1358	1435	992
from children living with one of the parents and adopted either by step-father or step-mother	3449	1666	1369	1319	1071	1021	1056	717
adopted by foreigners, total	2200	2156	1249	404	336	378	387	255
from orphans and children deprived of parental guardianship	2200	2110	1202	379	323	372	375	247
from children living with one of the parents and adopted either by step-father or step-mother	...	46	47	25	13	6	12	8
Orphans and children deprived of parental guardianship by the end of year, total	...	97829	98119	73183	70241	69352	68877	68533

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	2020	2010	2015	2020
Total	3426	7880	6029	11978	1123	549
town-dwellers	1902	4366	3272	6591	619	207
rural dwellers	1524	3514	2757	5387	504	342
boys	1943	4152	3173	6939	610	288
girls	1483	3728	2856	5039	513	261
Have complete family	993	1991	1952	2995	231	165
Have incomplete family	1629	4196	4015	7598	737	287
Children from families where parents evade their responsibilities	528	3265	3375	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	117	758	66	28
those sent to centres to settle their affairs	390	975	717	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	256	568	79	45
Those in centres or shelter-care facilities due to ¹						
difficult life circumstances	2683	5798	4335	x	x	x
absence of family environment	308	1777	1459	x	x	x
transition from shelter-care facilities for children	428	228	102	x	x	x
cruel behaviour	7	77	123	x	x	x
physical abuse	x	x	x	75	15	10
mental violence	x	x	x	9	—	3
sexual violence	x	x	x	2	1	—
child's individual application	2031	304	103	905	103	27
withdrawal from family	x	x	x	5715	526	314
find on to street	x	x	x	435	15	28
involvement into the worst labour, sexual violence and as victims of human trafficking	x	x	x	8	—	—
leaving family without permission	x	x	x	3762	334	128
leaving boarding school without permission	x	x	x	661	54	19
transferring from other shelters	x	x	x	225	66	25
delivering from accepting and distribution center	x	x	x	65	2	—
delivering from health care institution	x	x	x	190	22	8
returning from prison	x	x	x	20	1	—
economic violence	x	x	x	31	5	—
Got into shelter-care facilities several times	x	x	x	701	63	40

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

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).

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 1913–2020

	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
2020	...	...	16064 ³	...	16415 ³

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

² At the end of 1914

³ Source: the State Agency of Ukraine on Arts and Art Education

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	2019	2020	2000	2005	2010	2015	2019	2020
Total libraries, thsd.	20,7	19,8	19,5	17,3	16,2	16,1 ¹	15,7	15,1	14,9	13,7	13,2	12,9 ¹
Library stocks, mln. copies	343	330	326	266	230	191 ¹	151	146	138	116	99	99 ¹
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	16,3	16,4 ¹	17,7	16,8	16,5	15,6	15,1	15,1 ¹
total seats, mln.	5,4	5,0	4,7	4,3	3,7	3,7 ¹	4,3	4,0	3,9	3,6	...	...

¹ See the third footnote to 8.1

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	2019/ 20	2020/ 21	2000/ 01	2005/ 06	2010/ 11	2015/ 16	2019/ 20	2020/ 21
Music schools	1036	966	892	793	773	732	194,1	185,4	184,5	165,7	...	...
Special music schools (boarding schools)	4	4	6	4	4	5	1,7	1,7	2,2	1,6	...	...
Arts schools	307	370	432	370	414	457	77,6	101,7	124,2	109,4	...	...
Painting schools	130	124	125	109	111	108	18,5	20,1	23,9	19,8	...	...
Specialized painting schools (boarding schools)	1	2	1	1	2	2	0,5	0,6	0,1	1,3	...	...
Choreographic schools	9	12	10	8	9	9	1,9	2,3	2,2	1,9	...	...
Other art schools	8	8	11	10	10	14	1,4	1,6	2,1	2,0	313,5 ¹	314,8 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

8.4. Cultural institutions in 2020, by region*(source: the State Agency of Ukraine on Arts and Art Education)*

	Libraries		Club-houses	
	total	of which in rural areas	total	of which in rural areas
Ukraine	16064	12853	16415	15137
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnnytsya	930	816	1059	985
Volyn	553	459	675	633
Dnipropetrovsk	745	450	547	471
Donetsk	467	259	365	285
Zhytomyr	697	530	829	793
Zakarpattya	479	409	454	422
Zaporizhzhya	483	352	407	360
Ivano-Frankivsk	751	639	717	656
Kyiv	876	748	835	760
Kirovohrad	570	458	569	517
Luhansk	321	239	302	265
Lviv	1262	1074	1422	1340
Mykolayiv	489	385	504	457
Odesa	723	567	729	675
Poltava	768	659	804	754
Rivne	575	487	670	628
Sumy	557	443	609	554
Ternopil	801	710	916	867
Kharkiv	793	578	647	587
Kherson	498	359	438	398
Khmelnyskiy	829	697	1072	1022
Cherkasy	712	639	706	666
Chernivtsi	379	323	383	349
Chernihiv	667	573	748	693
cities				
Kyiv	139	×	8	×
Sevastopol	...	...	...	...

8.5. Publication of books, magazines and newspapers(source: the State scientific institution
"Book Chamber named after Ivan Fedorov")

	2000	2005	2010	2015	2017	2018	2019	2020
Books and brochures								
Total publication, published items	7749	15720	22557	19958	22047	22612	24416	18967
Number of publication, mln. copies	44	54	45	36	45	47	61	42
of which in Ukrainian	29	33	25	24	33	38	53	37
Magazines and other periodic publication (excluding newspapers)¹								
Total publication, published items	7749	15720	22557	19958	22047	22612	24416	18967
Annual circulation, mln. copies	44	54	45	36	45	47	61	42
of which in Ukrainian	29	33	25	24	33	38	53	37
Newspapers								
Total publication, published items	2667	2974	2347	1846	1666	1736	1651	1529
Average one-off circulation, mln. copies	48	80	55	40	43	42	44	35
of which in Ukrainian	13	25	18	15	21	17	19	14
Annual circulation, mln. copies	3459	4960	3169	2349	2170	1827	1478	1155

¹ Periodic publication (excluding newspapers) its magazines, publications, bulletins and bibliographic publications**8.6. Collective accommodation facilities in 2020¹**

	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	1337	155,0	2218,6	218,3
Hotels and similar accommodation facilities (hotels, motels)	728	72,4	1783,9	217,4
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)	609	82,6	434,7	0,9

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

8.7. Collective accommodation facilities in 2020, by region¹

	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
Ukraine	1337	155,0	2218,6	218,3
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnitsya	10	1,0	23,5	0,3
Volyn	36	2,0	28,3	0,8
Dnipropetrovsk	87	8,0	151,1	4,4
Donetsk	65	7,4	73,3	0,5
Zhytomyr	16	1,2	17,7	0,6
Zakarpattia	48	3,9	47,3	0,8
Zaporizhzhya	119	16,2	92,8	1,6
Ivano-Frankivsk	50	5,0	123,9	4,8
Kyiv	80	9,9	189,2	7,0
Kirovohrad	20	1,2	19,3	0,9
Luhansk	7	0,6	6,6	0,5
Lviv	111	12,1	230,0	20,9
Mykolayiv	83	11,3	72,9	1,4
Odesa	147	21,7	138,6	8,3
Poltava	43	3,4	87,7	1,6
Rivne	13	0,6	12,8	0,6
Sumy	17	1,3	27,1	0,9
Ternopil	13	1,3	15,6	0,9
Kharkiv	66	6,7	80,1	8,3
Kherson	70	12,6	66,5	0,9
Khmelnyskiy	28	2,1	49,6	3,7
Cherkasy	43	3,1	52,4	0,7
Chernivtsi	11	1,1	11,0	0,4
Chernihiv	22	1,4	34,4	1,0
cities				
Kyiv	132	19,9	566,9	146,5
Sevastopol	...	...	...	...

¹ See the footnote to Table 8.6

8.8. Sports school for children in 2020, 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	1238	452184	34	3949
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnitsya	54	18059	1	138
Volyn	31	8856	1	95
Dnipropetrovsk	87	37247	1	217
Donetsk	52	23763	1	285
Zhytomyr	45	13178	1	124
Zakarpattia	34	13071	1	121
Zaporizhzhya	62	19409	1	115
Ivano-Frankivsk	41	15919	1	53
Kyiv	59	24418	1	196
Kirovohrad	32	11518	1	55
Luhansk	23	7030	1	114
Lviv	73	25424	1	151
Mykolayiv	51	14244	2	168
Odesa	70	24268	1	60
Poltava	47	16738	1	135
Rivne	37	13579	1	119
Sumy	48	14004	1	132
Ternopil	30	9134	1	104
Kharkiv	75	43203	2	352
Kherson	39	12926	1	83
Khmelnyskiy	41	15094	1	107
Cherkasy	38	11735	1	131
Chernivtsi	33	11391	1	83
Chernihiv	46	14118	2	239
cities				
Kyiv	90	33858	7	572
Sevastopol	...	...	...	...

8.9. Activity of physical training and sports institutions*(source: the Ministry of Youth and Sport of Ukraine; end of year)*

	2000	2005	2010	2015	2017	2018	2019	2020
Persons that go in for sport	1014911	1265956	1218362	978163	972802	978532	970511	963470
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	496348	474786	464566	456429
females	247222	322902	290267	240583	229862	231005	229363	232502
disabled	7169	17342	19738	12722	11380	11568	11301	10576
Persons that engaged in types of physical training and sport	4105054	5030943	4918331	4388877	4867218	5048543	5167057	4892770
including								
at pre-school educational institutions ¹	...	...	420797	508098	524671	570066	664007	613074
at general secondary educational institutions ¹	1914177	2037429	1520243	1396771	1726537	1804121	1913403	1843623
at professional (vocational and technical) educational institutions ¹	129489	167580	134605	100855	117350	116795	114296	118840
at tertiary educational institutions ¹	330795	510014	607529	511342	492401	490158	430725	429194
enterprises, institutions and organisations, physical training and health clubs, by place of residence, school educational institutions	1623732	2150776	2235157	1871811	2006259	2067403	2044626	1888039
Of the total number of people engaged in physical culture and sport								
females	1250958	1598754	1723415	1620286	1998190	2007932	2107937	1983821
disabled involved in rehabilitation and health improving activity	22069	33464	43267	36110	46619	46519	58500	55623

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

8.10. Sports facilities

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

	2000	2005	2010	2015	2017	2018	2019	2020
Stadiums with stands for 1500 seats and more	1128	1147	1108	974	963	956	960	960
Sports grounds	35674	39977	40260	36065	36684	37090	35028	34310
including tennis-courts	845	1205	1344	1127	1136	1150	1177	1173
Football grounds	9910	11248	11730	10851	11135	11097	10900	10859
Ski lodges	122	103	72	55	57	58	62	61
Shooting range, covered and semi-covered, at least 25 m long	7598	6538	5379	4299	4147	4110	3839	3771
Swimming pools	509	510	593	492	557	545	557	566
of which								
50 m long	50	44	52	44	47	46	47	47
Covered	419	436	503	419	492	471	484	486
including 50 m long	26	24	25	20	23	21	24	22
Gymnasiums with 162 sq.m space	17032	17189	17176	14772	14791	14771	14634	14618
Track-and-field shots that are not a part of stadiums	183	231	257	241	225	224	234	235
Grounds equipped with simulators	11300	11286	11738	12115	13208	13726	13955	14161 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	31	30	31	31
of which for freestyle	3	5	6	6	9	8	9	9
Horse riding sports centers	29	33	57	48	53	53	54	54
Cycle tracks	4	4	4	3	5	5	5	5
Facilities with manufactured ice	10	13	61	57	54	54	56	55
of which with area of 30×61 m	8	10	28	33	37	35	38	38

¹ Including 7557 sites with non-standard simulators

CULTURE, LEISURE, SPORT AND TOURISM

8.11. Physical training and health improving activity in 2020

(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	4892770	2646571
including		
at pre-school educational institutions ¹	613074	14809
at general secondary educational institutions ¹	1843623	1843623
at professional (vocational and technical) educational institutions ¹	118840	89441
at tertiary educational institutions ¹	429194	193983
out-of-school educational institutions	136478	132351
enterprises, institutions and organisations	1122383	133770
in physical training and health clubs, by place of residence	629178	238594
Of the total number of disabled involved in rehabilitation and health improving activity	55623	×

¹ See the footnote to Table 8.9

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

(thsd.)

	2015	2017	2018	2019	2020
Total	2019	2806	4557	6132	2360
inbound (foreign tourists)	15	39	76	87	12
outbound tourists (Ukraine's citizens who traveled abroad)	1647	2290	4024	5525	2126
domestic tourists	357	477	457	520	222

¹ Legal persons and natural persons-entrepreneurs

8.13. Number of tourists serviced by tour operators and travel agents in 2020¹, 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	2360278	11964	2125702	222612
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnysya	26470	—	19118	7352
Volyn	10047	19	9164	864
Dnipropetrovsk	78100	—	73202	4898
Donetsk	18672	—	14494	4178
Zhytomyr	11203	—	10513	690
Zakarpattya	14669	—	12156	2513
Zaporizhzhya	33169	36	25517	7616
Ivano-Frankivsk	62479	1569	10430	50480
Kyiv	47950	94	45151	2705
Kirovohrad	7774	—	6841	933
Luhansk	3411	—	3373	38
Lviv	100824	357	76729	23738
Mykolayiv	11103	—	10691	412
Odesa	28182	145	25201	2836
Poltava	18993	—	17939	1054
Rivne	19269	3	17976	1290
Sumy	12004	—	9161	2843
Ternopil	8199	—	7586	613
Kharkiv	43989	4	36182	7803
Kherson	13767	—	8234	5533
Khmelnyskiy	11073	—	10271	802
Cherkasy	15761	—	12370	3391
Chernivtsi	7825	—	7287	538
Chernihiv	15849	—	14607	1242
cities				
Kyiv	1739496	9737	1641509	88250
Sevastopol	...	...	...	...

¹ See the footnote to Table 8.12

9. JUSTICE AND CRIME

Criminal Code of Ukraine is a systemized set of legal rules established by the highest legislative body that define what socially dangerous acts are criminal and what punishments are to be administered for persons who committed crimes.

Criminal offence is a socially dangerous guilty act (action or inactivity) specified by the Criminal Code and which was committed by a subject of criminal offence. Criminal offences are split into criminal misdeeds and crimes.

Crime is a socially dangerous guilty, illegal and criminally punishable act (action or inactivity) committed by subject of crime.

Crimes are split into non-grave, grave and especially grave crimes.

The responsibility of minors – persons are subject to criminal responsibility who before committing criminal offence turned 16 year old.

Persons who committed criminal offences at the age of 14 to 16 year old are subject to criminal responsibility only for intentional homicide, infringement of life of the state or public person, law enforcement employee, member of public organization dealing with public order maintenance and border control, or serviceman, judge, juryman due to their activity connected with justice, defender or representative of a person due to activity connected with giving the legal

aid, representative of foreign country, intentional grave bodily injury, intentional medium gravity bodily injury, sabotage, racketeering, terroristic attack, hostage taking, rape, sexual violence, theft, robbery, banditry, blackmailing, intentional destruction or damage of property, damage of communication lines and transport vehicles, highjacking or capture of rail rolling-stock, air, sea or river vessel, transport vehicle unlawful seizure, hooliganism.

Narcotic drugs are natural or synthetic substances, preparations, plants included into the List of narcotic drugs, psychotropic substances and precursors.

Psychotropic substances are natural or synthetic substances, preparations, natural materials included into the List of narcotic drugs, psychotropic substances and precursors.

Precursors are narcotic drugs and psychotropic substance (further referred to as the precursors) – substances that are used for the production, making of narcotic drugs, psychotropic substances included into the List of narcotic drugs, psychotropic substances and precursors.

Fire is an uncontrolled process of elimination or damage of property by fire during which emerge the factors which are dangerous for creatures and environment.

JUSTICE AND CRIME

9.1. Number recorded criminal offences, by individual species¹

(thsd.)

	2000	2005	2010	2015 ²	2017 ²	2018 ²	2019 ²	2020 ²
Total recorded criminal offences	567,8	491,8	505,4	565,2	523,9	487,1	444,1	360,6
of which								
premeditated murders								
and attempted murders	5,1	3,3	2,4	3,2	1,6	1,5	1,5	1,4
premeditated severe injuries	6,9	5,7	3,8	2,6	2,2	2,2	2,0	1,8
rapes and attempted rapes	1,2	0,9	0,6	0,3	0,3	0,2	0,4	0,4
hooliganism	23,4	15,0	9,2	4,1	3,4	3,3	3,4	2,5
violent crime	5,6	6,7	4,0	3,6	3,0	2,3	1,9	1,4
robberies	23,0	47,1	23,3	22,1	18,1	13,8	11,2	7,5
extortion	2,7	1,2	0,5	0,6	0,7	0,6	0,7	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 2020, 138,4 thsd. were classified as grave and very grave offences.

9.2. Number of the registered criminal offences, by region¹

(thsd.)

	2000	2005	2010	2015 ²	2017 ²	2018 ²	2019 ²	2020 ²
Ukraine	567,8	491,8	505,4	565,2	523,9	487,1	444,1	360,6
Autonomous Republic of Crimea	30,2	23,8	33,5	0,4	0,2	0,2	0,1	0,1
oblasts								
Vinnitsya	14,0	12,5	12,8	16,8	14,3	12,6	11,8	10,0
Volyn	7,6	8,6	8,3	10,7	10,8	9,3	10,5	9,7
Dnipropetrovsk	65,6	46,5	49,6	50,1	44,3	45,7	42,2	30,1
Donetsk	54,6	58,2	62,6	34,7	26,1	23,8	23,6	21,3
Zhytomyr	15,8	10,0	10,2	13,9	14,8	14,2	12,8	10,7
Zakarpattia	6,7	6,6	6,8	11,4	11,2	11,0	11,8	8,9
Zaporizhzhya	32,6	28,4	27,9	41,8	31,9	26,6	23,0	18,7
Ivano-Frankivsk	8,9	7,5	5,8	8,5	8,2	7,4	7,8	6,7
Kyiv	15,9	13,5	16,6	25,2	25,7	20,1	17,2	15,6
Kirovohrad	12,8	9,6	11,9	18,4	16,7	15,4	12,9	10,8
Luhansk	39,3	35,3	32,1	12,5	11,4	10,4	8,5	8,0
Lviv	22,1	18,7	17,3	33,2	27,5	25,8	26,1	20,5
Mykolayiv	17,9	14,2	12,7	19,5	16,8	19,1	17,7	14,3
Odesa	26,9	23,5	24,8	29,4	32,6	33,0	24,6	22,1
Poltava	17,7	17,9	16,4	23,5	22,7	21,4	19,2	15,6
Rivne	7,5	7,7	7,5	11,1	11,4	10,3	10,3	9,5
Sumy	14,5	11,3	10,7	14,3	12,5	11,9	10,9	9,9
Ternopil	6,4	5,7	5,4	7,2	7,6	7,1	6,7	6,1
Kharkiv	43,1	32,0	28,3	40,9	35,0	36,4	31,7	26,1
Kherson	14,4	13,2	12,3	16,1	16,8	16,0	15,6	12,7
Khmelnitskiy	10,4	10,6	10,9	12,6	11,6	11,2	10,0	6,2
Cherkasy	14,4	10,3	9,7	16,4	17,8	15,6	13,6	10,0
Chernivtsi	4,8	5,1	6,7	9,2	9,2	7,7	7,3	6,3
Chernihiv	12,6	9,5	9,6	15,8	14,9	14,2	13,9	10,9
cities								
Kyiv	28,6	33,4	36,5	66,1	70,7	60,0	53,8	39,3
Sevastopol	4,3	4,7	5,5	0,0	0,0	0,0	0,0	0,0

¹ See the first footnote to Table 9.1

² See the second footnote to Table 9.1

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9.3. Criminal offences in the sphere of distribution of narcotic drugs, psychotropic substances, their analogues or by precursors¹

	2000	2005	2010	2015 ²	2017 ²	2018 ²	2019 ²	2020 ²
Total recorded criminal offences	45748	65017	56878	25908	29010	27007	28774	28204
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	21	28	51
illegal production, purchase, storage, transportation and trafficking of drugs psychotropic substances or their analogues for sale or other purposes (plus sales)	40138	53456	47702	21504	25100	23475	25005	24381
inclination for drugs psychotropic substances or their analogues	385	965	618	158	44	34	45	37
setting up and keeping places for illegal consumption, production or the making of drugs, psychotropic agents or similar products	1664	2743	2150	1044	590	511	509	426

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	2017	2018	2019	2020
Total convicted	230,9	176,9	168,8	94,8²	76,8²	73,7²	70,4²	67,5²
of whom of								
theft	108,4	60,1	61,0	41,2	34,2	34,0	32,1	28,6
robberies	10,0	13,4	11,6	4,8	4,1	3,5	3,5	3,2
violent crime	4,9	4,4	3,8	1,0	0,9	0,6	0,6	0,6
extortion	1,4	0,7	0,4	0,1	0,1	0,1	0,1	0,0
intended murders and attempted murders	3,9	2,1	2,0	0,8	0,6	0,5	0,4	0,5
intended severe injuries	4,9	4,1	3,4	1,7	1,3	1,1	1,1	1,1
rapes and attempted rapes	0,9	0,7	0,4	0,1	0,1	0,0	0,1	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

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9.5. Court convictions, by region¹

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

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	230,9	176,9	168,8	94,8²	76,8²	73,7²	70,4²	67,5²
Autonomous Republic of Crimea	10,9	10,2	8,2	...	...	...	...	...
oblasts								
Vinnitsya	7,7	5,2	6,1	3,8	3,6	2,8	2,8	2,6
Volyn	3,7	3,2	3,3	2,5	1,8	1,8	1,8	1,7
Dnipropetrovsk	22,1	13,6	14,9	11,2	8,4	8,4	7,7	9,0
Donetsk	25,8	22,2	20,3	5,7	5,5	5,0	4,9	4,5
Zhytomyr	5,8	4,5	4,7	3,3	2,6	2,8	2,5	2,1
Zakarpattia	3,7	2,6	2,9	1,9	1,7	1,7	1,5	1,6
Zaporizhzhya	13,3	11,4	9,7	5,6	4,0	4,1	3,7	3,7
Ivano-Frankivsk	3,6	3,4	3,4	1,8	1,5	1,4	1,4	1,4
Kyiv	8,1	5,6	4,8	4,4	3,3	3,1	3,2	2,7
Kirovohrad	6,1	4,0	4,7	3,2	2,7	2,2	1,9	1,8
Luhansk	17,4	12,9	12,7	2,0	2,7	2,6	2,2	1,9
Lviv	8,4	6,0	5,7	4,6	3,6	3,7	3,6	3,4
Mykolayiv	6,5	6,8	5,6	3,8	2,4	2,3	2,5	2,4
Odesa	12,6	9,2	8,3	4,6	3,5	3,6	3,2	3,2
Poltava	7,0	6,7	4,7	4,6	4,3	3,6	3,4	3,4
Rivne	3,2	3,0	3,3	2,4	2,1	1,8	1,8	1,8
Sumy	6,8	4,6	5,0	2,9	2,7	2,7	2,6	2,2
Ternopil	3,0	2,1	2,5	1,6	1,1	1,2	1,0	1,0
Kharkiv	15,8	13,7	8,6	7,4	5,7	5,5	5,4	4,9
Kherson	6,8	5,5	5,3	3,4	2,3	2,1	2,3	2,1
Khmelnyskiy	4,8	4,1	4,6	2,6	2,1	2,0	2,3	1,8
Cherkasy	7,0	4,2	4,4	2,7	1,8	1,8	1,7	1,7
Chernivtsi	2,9	1,8	2,1	1,5	1,5	1,2	1,3	1,0
Chernihiv	6,2	4,6	4,4	3,0	2,2	2,1	1,9	1,9
cities								
Kyiv	9,3	3,9	6,5	4,2	3,8	4,2	3,8	3,7
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	2017	2018	2019	2020
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	39,0	36,6	34,9	32,7
including								
for females	10,9	8,5	6,7	2,8	1,9	1,7	1,6	1,5
for minors	2,5	2,1	0,9	0,2	0,1	0,1	0,0	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	2017	2018	2019	2020
Total	39,8	41,5	20,3	4,9	4,3	3,8	3,7	1,8
Of whom								
pupils of general secondary education institutions	15,6	22,5	11,4	2,3	1,9	1,6	1,6	0,8
pupils of professional (vocational and technical) educational institutions	6,5	7,0	3,5	1,8	1,7	1,5	1,3	0,7
do not work or study	10,0	7,8	4,1	0,5	0,5	0,5	0,5	0,2
have one parent	10,4	11,0	5,8	1,7	1,7	1,2	1,1	0,5
have no parents	0,9	1,2	0,8	0,3	0,3	0,2	0,2	0,1
live in boarding schools and orphanages amily-type and in foster families	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		2010		2015		2020	
	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	2193,3	1691,6	947,2	756,9	726,4	587,9
of which										
reinstatement	5,5	3,1	3,8	2,2	4,4	1,8	2,1	0,8	1,5	0,6
payment of wages	237,6	232,3	56,0	53,5	18,7	12,3	8,6	6,1	8,3	6,7
indemnification of financial damage, inflicted by employees to state enterprise, establishment, organisation	1,8	1,6	0,7	0,6	0,7	0,4	0,4	0,2	0,2	0,1
divorce	156,9	154,8	140,7	138,8	153,5	122,4	109,5	95,2	101,1	90,9

9.9. State notary services

(source: the Ministry of Justice of Ukraine)

	2000	2005	2010	2015	2017	2018	2019	2020
Total state notary offices, units	795	826	843	780	751	729	724	719
Number of private notaries, persons	2035	3273	5325	5697	5544	5617	5746	5779
Number of the performed notarial acts, thsd.								
by state notary offices	3920	4094	3284	1731	1519	1391	1293	1045
by private notaries	7709	14510	13609	10812	10943	11178	11308	9388
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	63,5	70,8	80,3	67,1
Amount of taxes paid to the budget for performing notarial acts by private notaries, mln. UAH	29,9	47,8	85,9	140,4	236,7	265,1	303,7	301,6

JUSTICE AND CRIME

9.10. Fires

(source: the State Service of Ukraine of Emergencies)

	2000	2005	2010	2015	2017	2018	2019	2020
Total fires, units	61526	53751	64743	82016	85724	80106	97435	104123
Fire consequences								
total killed, persons	2423	4182	2823	1993	1866	1959	1902	1730
of whom children	149	119	95	66	68	52	58	46
total injured, persons	1532	1912	1551	1473	1642	1596	1650	1554
total rescued, persons	6901	4114	5259	2454	2384	2424	1986	1831
Total direct losses, mln. UAH	70,3	292,5	669,8	1637,7	6106,6	2401,0	3249,5	21212,9
Destroyed or damaged, units								
buildings and dwellings	17704	20918	22304	26913	24924	25426	25921	28067
vehicles	2142	2457	3195	3995	4510	4809	5031	5184

9.11. Fires, by cause

(source: the State Service of Ukraine of Emergencies)

	2018	2019	2020
Total fires	80106	97435	104123
Arson	3024	3100	3912
Equipment disrepair, violation of the technological process of production	176	170	178
Violation of fire safety rules during the installation and operation of electrical installations	1068	870	801
Short circuit	10252	9886	9767
Violation of fire safety rules during operation of electrical appliances	401	347	294
Violation of fire safety rules during fire works	273	256	330
Explosion	84	53	55
Self-ignition substances and materials	240	290	357
Violation of the rule equipment and operation furnaces	5743	4722	4926
Violation of the rule equipment and operation of heat generating units and installations	193	159	198
Violation rules of operation household gas, kerosene and other products	343	375	388
Careless use of fire	42736	54590	59144
Children's mischief with fire	609	598	579
Lightning discharge	336	349	258
Vehicle malfunction	2285	2484	2542
Road accident	73	92	106
Entering the ignition source from the outside	10328	16543	17256
Unidentified reasons	56	91	197
Other reasons	1886	2460	2835

10. NATURAL RESOURCES AND ENVIRONMENT PROTECTION

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.

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.

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

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	2017 ¹	2018 ¹	2019 ¹	2020 ¹
Total preserves and national nature parks	31	36	45	72	73	73	76	77
Their area, thsd.ha	887,5	1056,5	1310,5	1769,1	1997,4	1997,4	2063,9	2072,8

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

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

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	2017	2018	2019	2020
Water abstraction from natural water resources	18282	15083	14846	9699	9224	11296	11111	9952
of which fresh water	17466	14255	13916	9109	8635	10705	10596	9459
Losses of water while transporting	2477	2327	2158	1139	1145	1142	1119	1190
Use of fresh water (including the sea water)	12991	10188	9817	7125	6853	7363	7318	7238
of which fresh water used for needs	12175	9360	8886	6556	6284	6790	6821	6761
production	6141	4878	5511	4491	4015	4499	4723	4532
drinking and sanitary and hygienic	3311	2409	1917	1267	1174	1171	1148	1169
for irrigation	1699	1186	1377	1237	1549	1591	1343	1453
other	1840	1715	1012	130	115	102	104	84
General water drain ¹	10964	8900	8141	5581	4921	5412	5573	5292
Water discharge into surface water bodies	10517	8553	7817	5343	4715	5210	5374	5159
polluted return waters	3313	3444	1744	875	997	952	737	518
without purification	758	896	312	184	158	141	139	100
insufficiently purified	2555	2548	1432	691	839	811	598	418
purified according to standards	2100	1315	1760	1389	1023	1058	1188	1425
regulatory clean without purification	5104	3794	4313	3079	2550	3048	3285	3216
non-categorized	...	...	...	...	145	152	164	—
Recycling and re-consecutive water supply, total	41523	47167	43138	40306	38716	34370	33646	35432
Capacity of purifying facilities	7992	7688	7425	5801	5415	5378	5546	5142

¹ Excluding transit and discharge into the channels

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

ATMOSPHERE

10.4. Emission of pollutants and carbon dioxide into the atmosphere

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020 ¹
Emission of pollutants – total	5908,6	6615,6	6678,0	4521,3	4230,6	4121,2	4108,3	4017,3
of which								
sulfur dioxide	984,8	1132,8	1235,2	854,0	744,4	716,7	695,8	621,9
nitrogen peroxide	440,6	523,9	603,7	453,0	384,3	385,7	383,9	371,2
nitrogen oxide	...	×	8,9	10,1	9,7	9,6	7,8	4,4
carbon oxide	2776,8	2975,2	2951,9	1971,9	1986,9	1974,9	2003,6	2065,7
methane	...	×	853,0	519,4	504,1	456,1	446,8	434,8
non-methane volatile organic compounds	...	×	359,3	225,8	223,6	206,5	205,1	215,9
weighted suspension particles	736,8	711,3	594,5	377,4	343,3	342,2	336,8	276,6
ammonia	×	×	25,1	18,8	17,4	16,8	17,9	17,6
Emission of pollutants by stationary sources of pollution	3959,4	4464,1	4131,6	2857,4	2584,9	2508,3	2459,5	2238,6
of which								
sulfur dioxide	976,6	1119,5	1206,3	830,3	726,2	698,1	676,0	601,0
nitrogen peroxide	320,0	343,7	310,5	233,8	215,5	215,3	205,1	181,3
nitrogen oxide	...	7,1	6,8	8,7	8,9	8,8	7,0	3,5
carbon oxide	1230,6	1320,5	1063,8	764,1	728,4	744,3	748,4	707,3
methane	...	811,1	844,8	514,1	499,0	451,1	441,7	429,2
non-methane volatile organic compounds	...	91,1	66,0	47,3	53,1	43,7	42,5	40,6
weighted suspension particles	729,6	697,9	562,1	349,6	319,5	317,5	310,3	248,9
ammonia	8,3	17,9	25,1	18,8	17,4	16,8	17,9	17,6
Emission of pollutants by movable sources of pollution²	1949,2	2151,5	2546,4	1663,9	1645,7	1612,9	1648,8	1778,7
of which								
sulphur dioxide	8,2	13,3	28,9	23,7	18,2	18,6	19,8	20,9
nitrogen peroxide	120,6	180,2	293,2	219,2	168,8	170,4	178,8	189,9
nitrogen oxide	...	...	2,1	1,4	0,8	0,8	0,8	0,9
carbon oxide	1546,2	1654,7	1888,1	1207,8	1258,5	1230,6	1255,2	1358,4
methane	...	...	8,2	5,3	5,1	5,0	5,1	5,6
non-methane volatile organic compounds	...	...	293,3	178,5	170,5	162,8	162,6	175,3
soot	7,2	13,4	32,4	27,8	23,8	24,7	26,5	27,7
ammonia	...	...	0,022	0,011	0,008	0,007	0,006	0,007
Besides emission of carbon dioxide – total, mln.t	...	×	198,2	162,0	148,2	150,5	147,2	×
of which								
by stationary sources of pollution	...	152,0	165,0	138,9	124,2	126,4	121,3	109,1
by movable sources of pollution ³	...	...	33,2	23,1	24,0	24,1	25,9	...

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

**10.5. Stationary pollutant emissions and carbon dioxide into the atmosphere in 2020,
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	2238,6	100,0	109079,4	100,0
Agriculture, forestry and fishing	64,1	2,9	1187,5	1,1
Mining and quarrying	365,6	16,3	2119,7	1,9
including				
Mining of coal and lignite	290,7	13,0	218,5	0,2
Manufacturing	868,8	38,8	46868,1	43,0
including				
Manufacture of food products	33,8	1,5	2453,6	2,2
Manufacture of coke, and refined petroleum products	29,9	1,3	1951,2	1,8
Manufacture of basic metals	729,8	32,6	29808,9	27,3
Electricity, gas, steam and air-conditioning supply	849,2	38,0	56262,1	51,6
Water supply, sewerage, waste management and remediation	17,4	0,8	215,4	0,2
Construction	2,0	0,1	48,9	0,0
Wholesale and retail trade; repair of motor vehicles and motorcycles	3,1	0,1	68,6	0,1
Transport and storage, postal and courier activities	45,6	2,0	1588,6	1,5
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	5,1	0,2	191,8	0,2
Professional, scientific and technical activity; education	4,3	0,2	124,8	0,1
State administration and defence; compulsory social insurance	9,4	0,4	260,8	0,2
Health care and provision of social aid; art, sport, entertainment and leisure; provision of other types of services	3,9	0,2	143,0	0,1

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

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

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	3959,4	4464,1	4131,6	2857,4	2584,9	2508,3	2459,5	2238,6
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								
Vinnitsya	80,1	107,4	103,0	134,7	155,8	97,3	99,7	78,2
of which								
Vinnitsya city	2,1	5,1	3,4	15,8	13,6	2,5	2,9	2,7
Ladyzhyn	62,9	87,1	74,8	78,8	94,7	73,5	73,7	59,8
Volyn	10,3	10,1	8,2	4,7	5,1	5,1	5,3	5,1
of which								
Lutsk	2,1	1,8	1,0	0,9	0,8	0,4	0,5	0,7
Novovolynsk	2,8	0,7	0,2	0,2	0,3	0,4	0,0	0,3
Kovel	1,7	1,1	3,5	0,4	0,3	0,4	0,4	0,4
Dnipropetrovsk	783,6	993,7	933,1	723,9	657,3	614,3	576,9	534,7
of which								
Dnipro (<i>the former</i> Dnipropetrovsk city)	97,3	128,8	110,0	48,5	45,7	47,1	40,8	31,1
Zelenodolsk	79,4	108,6	173,4	66,9	48,1	28,6	20,4	35,0
Kamyanske (<i>the former</i> Dniprodzerzhinsk city)	105,0	126,1	108,5	101,0	57,8	103,3	83,3	96,8
Kryviy Rih	443,4	523,9	395,0	327,0	323,9	267,4	268,3	224,2
Nikopol	28,4	24,6	26,2	19,5	25,3	26,2	25,0	19,1
Donetsk	1590,0	1638,1	1378,1	917,6	784,8	790,2	773,5	751,0
of which								
Donetsk city	197,9	168,9	80,2	...	...	...	...	...
Avdyivka	37,4	23,8	14,7	8,1	11,7	12,5	10,5	9,3
Vuhledar	23,2	31,8	25,9	28,4	24,1	23,8	28,6	24,6
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	31,0	35,0	28,9	23,4
Yenakiyeve	74,8	66,1	67,4	42,7	...	...	...	...
Zuhres	70,8	61,3	70,8	56,5	...	...	...	...
Kurahove	117,2	103,4	123,9	112,7	154,7	139,2	131,8	113,8
Makyivka	103,7	124,8	58,1	...	...	...	...	...
Mariupol	340,4	425,7	364,3	249,6	288,2	316,6	330,1	339,4
Novy Svit	121,8	123,7	109,9	81,4	...	...	...	...
Novoamvrosiyske	0,6	6,7	3,3	...	...	...	...	...

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

Table 10.6 continued

	2000	2005	2010	2015	2017	2018	2019	2020
Pokrovskiy (<i>the former</i> Krasnoarmiysk city)	21,7	38,3	33,3	...	90,8	66,8	53,8	75,5
Rayhorodok	32,4	48,9	48,8	37,8	23,9	44,8	61,2	0,0
Rodynske	20,6	37,1	32,9	22,1	17,8	17,2	...	0,0
Sloviansk	2,0	2,5	1,6	0,7	0,3	0,6	0,4	0,4
Toretsk (<i>the former</i> Dzerzhynsk city)	31,6	20,1	10,8	7,6	6,7	7,0	5,3	4,4
Khartsyzk	88,4	68,9	75,4	56,5	...	...	...	...
Khrestivka (<i>the former</i> Kirovske city)	35,6	57,1	50,0	...	...	...	...	...
Zhytomyr	12,3	13,4	18,4	9,0	10,3	13,0	12,7	11,8
of which								
Zhytomyr city	2,1	3,0	0,9	1,3	1,4	1,5	1,6	1,6
Berdychiv	1,5	2,2	5,6	0,2	0,3	0,2	0,2	0,2
Korosten	1,2	0,8	0,5	0,6	0,6	0,8	0,7	0,6
Zakarpattia	7,7	26,6	17,4	4,4	3,2	4,0	3,7	3,3
of which								
Uzhgorod	0,7	3,1	1,4	1,8	0,1	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	0,7	0,3	0,6	0,1
Zaporizhzhya	231,2	262,0	217,5	193,7	180,9	174,7	173,4	155,5
of which								
Zaporizhzhya city	135,5	153,9	109,6	83,3	69,9	71,3	69,7	64,7
Enerhodar	80,8	98,4	100,3	103,9	105,3	98,2	98,7	86,3
Ivano-Frankivsk	141,0	204,2	169,2	223,9	198,3	221,4	205,0	140,4
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	160,1	182,9	169,9	110,0
Kyiv	80,8	73,0	106,8	78,1	48,2	81,3	84,4	66,6
of which								
Bila Tserkva	3,0	2,3	1,2	2,0	3,5	1,5	1,4	0,5
Bohuslav	0,1	3,3	1,9	1,1	0,0	0,0	0,2	0,0
Boyarka	0,1	0,4	5,4	0,1	0,1	0,6	0,1	4,1
Ukrayinka	64,5	53,2	82,8	55,5	23,3	53,8	56,2	44,8
Yagotyn	2,5	2,2	8,8	2,1	2,3	2,0	1,6	0,1
Kirovohrad	44,7	33,0	14,8	14,2	12,2	12,2	12,8	10,7
of which								
Kropyvnytskyi (<i>the former</i> Kirovohrad city)	2,2	2,4	2,2	2,3	2,1	2,0	2,1	2,2
Oleksandriya	32,1	12,5	0,2	0,2	0,3	0,3	0,3	0,2
of which								
Dmytrove	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	75,1	46,7	37,4	35,5
of which								
Luhansk city	144,2	118,8	160,7	...	...	...	...	...
of which Schastya	140,4	112,9	155,7	55,5	45,7	26,2	17,5	13,0

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

Table 10.6 continued

	2000	2005	2010	2015	2017	2018	2019	2020
Alchevsk	78,7	104,8	89,3	25,5	6,0	...	...	...
Kadiyivka (<i>the former</i> Stakhanov city)	19,7	29,2	23,9	...	...	...	...	...
Lysychansk	32,1	45,1	31,1	16,6	16,4	13,4	13,1	12,2
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	109,1	106,7	88,9	76,0
of which								
Lviv city	3,1	2,8	2,0	2,6	4,0	2,0	2,3	2,8
Dobrotvir	73,0	51,5	39,3	40,6	49,8	43,7	32,2	29,6
Mykolayiv	11,4	24,3	21,5	15,8	14,2	13,1	12,1	11,2
of which								
Mykolayiv city	5,7	6,5	5,9	5,5	3,3	3,0	3,1	3,0
Olshanske	2,3	6,0	6,9	2,2	1,3	1,8	1,4	1,2
Odesa	23,2	40,5	29,2	26,1	29,6	37,4	33,1	42,6
of which								
Odesa city	9,4	21,1	14,4	9,7	12,0	18,3	20,1	25,4
Berezivka	0,3	1,8	0,3	0,2	0,2	0,4	0,1	0,1
Podilsk (<i>the former</i> Kotovsk city)	2,1	1,3	1,1	1,0	1,2	1,7	0,4	2,3
Chernomorsk (<i>the former</i> Illichivsk city)	1,2	1,4	1,1	1,1	1,4	1,6	1,6	1,5
Yuzhne	2,2	2,8	2,7	2,5	1,6	1,6	1,9	2,2
Poltava	60,4	68,4	72,8	55,6	55,9	52,1	51,0	45,8
of which								
Poltava city	2,9	2,4	1,8	1,2	1,2	1,1	1,0	0,9
Horishni Plavni (<i>the former</i> Komsomolsk city)	7,1	9,6	11,3	12,2	9,9	10,9	11,7	11,9
Kremenchuk	24,9	28,7	18,7	16,1	18,7	15,5	13,8	12,6
Rivne	14,1	17,3	12,9	10,2	9,6	9,1	9,9	10,1
of which								
Rivne city	4,2	3,3	4,5	3,7	2,8	2,6	4,1	3,8
Zdolbuniv	2,8	5,5	2,7	2,7	3,2	2,7	1,8	2,6
Sumy	26,3	26,1	31,7	17,5	20,3	20,8	21,7	20,9
of which								
Sumy city	8,0	8,6	10,4	6,5	7,4	8,4	7,5	6,9
Konotop	1,4	0,7	0,3	0,3	0,3	0,2	0,4	0,4
Shostka	1,4	0,5	0,4	0,3	0,4	0,3	0,4	0,3

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

Table 10.6 continued

	2000	2005	2010	2015	2017	2018	2019	2020
Ternopil	9,2	14,8	18,5	8,5	10,6	10,2	9,4	9,5
of which								
Ternopil city	1,1	0,8	0,6	0,6	0,7	0,7	0,4	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	1,1	0,9	0,7	0,9
Kharkiv	143,7	158,7	151,9	53,4	45,0	44,7	106,5	94,1
of which								
Kharkiv city	20,6	6,9	4,9	4,4	4,9	4,8	4,0	3,7
Balakliya	4,6	9,1	0,7	0,4	0,5	0,3	0,1	0,1
Donets (the former Chervoniy Donets city)	8,2	4,0	3,5	2,5	3,6	1,1	4,9	2,9
Slobozhanske (the former Komsomolske city)	95,2	104,4	108,1	22,8	11,2	10,5	57,4	61,0
Kherson	11,6	11,0	5,3	8,9	9,6	12,4	17,8	17,8
of which								
Kherson city	8,0	9,2	3,5	5,4	2,6	3,5	4,8	4,7
Khmelnyskiy	18,4	16,0	19,1	18,3	21,1	22,1	20,3	18,2
of which								
Khmelnyskiy city	2,9	1,2	1,0	1,0	1,1	1,0	1,0	0,9
Humensi	2,2	7,2	9,4	7,1	7,8	8,5	7,9	7,7
Krasyliv	1,6	1,9	3,6	0,8	1,5	0,7	0,6	0,5
Slavuta	1,9	1,2	0,3	0,5	0,4	0,4	0,3	0,3
Starokostyantyniv	0,8	0,3	0,5	0,2	0,8	0,9	1,1	0,9
Cherkasy	28,8	39,4	61,2	57,5	48,3	57,9	51,8	51,4
of which								
Cherkasy city	16,8	21,4	32,3	29,8	20,1	24,4	21,2	18,9
Smila	1,3	1,8	0,3	0,3	0,3	0,4	0,5	0,5
Talne	0,8	2,2	0,9	0,4	0,2	0,1	0,2	0,2
Chernivtsi	4,1	5,2	3,8	3,2	3,3	2,7	2,4	1,8
of which								
Chernivtsi city	1,4	1,4	1,3	1,1	1,1	1,0	0,8	0,7
Chernihiv	20,2	37,5	47,4	33,9	31,6	29,7	27,5	20,9
of which								
Chernihiv city	8,0	12,3	19,8	15,1	13,0	13,2	11,4	7,0
Nizhyn	1,2	1,6	1,0	1,1	1,0	1,3	1,1	0,6
Olyshivka	1,3	1,6	3,3	0,1	0,4	0,4	0,0	0,1
cities								
Kyiv	32,6	33,6	28,6	26,7	45,5	29,2	22,3	25,5
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

10.7. Pollutant emissions and carbon dioxide into the atmosphere from stationary sources of pollution in 2020, 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	2238,6	601,0	181,3	429,2	707,3	3,5	3,9	40,6	109,1
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnitsya	78,2	43,3	6,8	5,8	5,6	0,1	0,2	2,0	4,2
Volyn	5,1	0,3	0,5	1,0	1,2	0,1	0,1	0,3	0,5
Dnipropetrovsk	534,7	60,7	27,1	116,0	274,7	0,2	0,1	1,9	20,5
Donetsk	751,0	213,4	37,1	133,7	303,7	0,3	0,4	0,5	22,2
Zhytomyr	11,8	0,7	1,5	3,3	2,1	0,0	0,1	0,5	0,7
Zakarpattia	3,3	0,2	0,6	1,0	1,1	0,0	0,1	0,1	0,2
Zaporizhzhya	155,5	67,4	24,9	0,8	49,6	0,1	0,2	1,6	13,0
Ivano-Frankivsk	140,4	95,6	11,2	7,7	3,1	0,7	0,0	4,7	10,2
Kyiv	66,6	27,0	6,5	10,4	2,7	0,1	0,1	1,6	3,7
Kirovohrad	10,7	0,7	0,9	1,0	2,7	0,0	0,0	0,6	0,8
Luhansk	35,5	8,9	4,9	4,8	11,2	0,0	0,1	0,6	2,0
Lviv	76,0	22	5,5	35,7	3,9	0,1	0,2	2,0	3,0
Mykolayiv	11,2	0,5	2,5	2,8	1,6	0,1	0,2	0,5	2,1
Odesa	42,6	1,1	1,4	30,9	3,5	0,1	0,3	0,8	1,6
Poltava	45,8	2,8	8,4	5,8	9,5	0,1	0,2	11,3	1,6
Rivne	10,1	0,4	4,1	0,4	1,3	1,2	0,1	0,3	2,1
Sumy	20,9	3,2	2,2	4,6	6,3	0,0	0,1	1,5	1,3
Ternopil	9,5	0,3	0,9	4,0	1,6	0,0	0,1	0,3	0,5
Kharkiv	94,1	40,2	10,1	6,2	9,1	0,2	0,3	2,7	7,8
Kherson	17,8	0,6	0,4	14,7	0,8	0,0	0,4	0,3	0,3
Khmelnyskiy	18,2	1,6	5,2	2,1	5,3	0,1	0,3	1,0	2,3
Cherkasy	51,4	4,6	8,7	21,6	2,5	0,0	0,1	0,6	2,4
Chernivtsi	1,8	0,2	0,2	0,1	0,3	0,0	0,1	0,4	0,1
Chernihiv	20,9	2,0	2,3	7,9	2,0	0,0	0,1	1,4	1,4
cities									
Kyiv	25,5	3,3	7,4	6,9	1,9	0,0	0,0	3,1	4,6
Sevastopol	...	...	...	...	...	...	...	...	...

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

WASTES

10.8. Basic indicators for the generation and treatment of wastes of 1st–4rd hazard category

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Generation ¹	184192,4	231189,5	425914,2	312267,6	366054,0	352333,9	441516,5	462373,5
including from economic activity	184192,4	231189,5	419191,8	306214,3	360196,0	346790,4	435619,8	456423,8
Collected, received from the outside	...	...	30015,1	22776,0	19082,1	18700,0	20322,7	20304,1
Imported	...	...	4,1	3,4	112,0	89,4	22,0	2,7
Utilized	...	...	144866,6	92463,7	100056,3	103658,1	108024,1	100524,6
Burned off	...	...	1058,6	1134,7	1064,3	1028,6	1059,0	1008,0
Transferred for utilization ²	...	...	41822,9	8401,3	9435,2	8120,3	10798,5	9790,5
Transferred for removal ²	...	...	...	14444,0	6202,4	14665,9	6885,4	8467,1
Exported	...	...	281,3	675,4	261,8	190,8	260,6	257,8
Removed to special sites or facilities	...	...	313410,6	152295,0	169801,6	169523,8	238997,2	275985,3
Placed on fly dumping ³	...	...	87,4	14,4	3,7	2,5	3,4	...
Lost (vaporization, drain, fires, etc)	...	...	1367,6	6,5	19,5	6,7	12,0	...
Accumulated during exploitation at sites for wastes removal end of year ⁴ , mln.t	...	...	13267,5	12505,9	12442,2	12972,4	15398,6	15635,3
per 1 sq.km, t	...	...	21984,2	21692,8	21579,3	22498,9	26706,9	28122,0

¹ Prior 2010, data from economic activity of enterprises and organisations, since 2010, including wastes received in households

² Prior to 2010 inclusive, data on the general volume of wastes transferred to a third party (for utilization and removal) are presented

³ Prior to 2010 inclusive, data on wastes removed to the sites for unorganized storage are given

⁴ 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

10.9. Basic indicators for the generation and treatment of wastes of 1st–3rd hazard category
(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Generation ¹	2613,2	2411,8	1659,9	587,3	605,3	627,4	553,0	532,0
including from economic activity	2613,2	2411,8	1659,8	587,1	602,9	625,9	552,6	531,6
Collected, received from the outside	56,4	166,0	259,6	119,2	140,9	109,1	90,3	104,7
Imported	...	6,3	0,0	2,5	1,9	2,9	3,6	1,5
Utilized	2613,2	2411,8	642,4	314,5	305,5	276,5	252,1	228,2
Burned off	...	71,4	16,5	5,8	8,7	11,9	10,6	10,6
Transferred for utilization ²	646,2	2349,7	985,2	222,8	227,4	242,1	228,0	214,8
Transferred for removal ²	...	...	...	44,6	53,4	39,4	29,2	49,4
Exported	...	32,3	26,6	1,0	1,7	2,6	2,2	0,1
Removed to special sites or facilities	760,6	948,5	126,8	78,6	107,1	114,9	93,3	103,6
Placed on fly dumping ³	13,2	1,8	0,1	0,0	0,0	0,0	0,0	...
Lost (vaporization, drain, fires, etc)	...	106,6	188,2	0,1	4,0	0,2	8,2	...
Accumulated during exploitation at sites for wastes removal end of year ⁴ , mln.t	26,2	21,7	16,2	12,1	12,2	12,2	12,3	12,2
per 1 sq.km, t	43,5	35,9	26,9	20,9	21,2	21,2	21,3	21,1

¹ See the first footnote to Table 10.8

² See the second footnote to Table 10.8

³ See the third footnote to Table 10.8

⁴ See the fourth footnote to Table 10.8

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.10. Generation of wastes, by hazard category¹

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Total	2613,2	2411,8	425914,2	312267,6	366054,0	352333,9	441516,5	462373,5
including								
1 st hazard category	13,8	12,6	5,0	2,0	1,9	1,7	1,8	2,0
2 nd hazard category	176,0	320,8	506,6	30,1	35,9	30,9	28,4	34,6
3 rd hazard category	2423,4	2078,4	1148,3	555,2	567,5	594,8	522,8	495,4
4 th hazard category	...	...	424254,3	311680,3	365448,7	351706,5	440963,5	461841,5

¹ See the first footnote to Table 10.8

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

(end of year; thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Total	...	...	13267455,0	12505915,8	12442168,6	12972428,5	15398649,4	15635259,6
including								
1 st hazard category	149,1	38,6	25,8	14,8	15,2	14,7	14,7	14,7
2 nd hazard category	1685,2	1846,9	2270,7	278,3	278,0	278,0	279,1	217,0
3 rd hazard category	24409,8	19788,5	13939,8	11761,9	11904,4	11924,5	12011,3	11963,1
4 th hazard category	...	...	13251218,7	12493860,8	12429971,0	12960211,3	15386344,3	15623064,8

¹ See the fourth footnote to Table 10.8

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.12. Generation of wastes, by category of materials

(thsd.t)

	2015	2017	2018	2019	2020
Total	312267,6	366054,0	352333,9	441516,5	462373,5
Used solvents	31,6	1,0	1,2	1,5	2,4
Wastes of acids, alkalis or salts	384,9	213,1	375,4	399,5	392,7
Used oils	15,5	17,1	14,6	14,4	19,3
Chemical wastes	913,4	834,2	806,1	620,4	663,2
Industrial drains sediments	3209,9	3648,7	3630,3	3346,1	3462,1
Sludge and liquid waste treatment facilities	249,8	971,7	793,9	792,2	860,6
Waste products from medical service and biology	0,9	0,6	0,7	0,9	1,1
Iron and steel waste	3396,7	3556,0	3402,2	2801,4	2491,9
Nonferrous waste	30,1	28,3	40,6	27,1	24,3
Mixed iron and steel, and nonferrous wastes	9,6	7,4	34,1	13,7	10,3
Glass wastes	22,3	34,3	41,9	19,8	21,0
Paper and cardboard wastes	111,0	183,5	146,4	129,5	140,8
Rubber wastes	22,9	26,4	21,9	19,5	19,9
Plastic wastes	42,9	48,6	47,2	50,3	40,8
Wood wastes	683,1	779,9	829,8	827,9	750,1
Textile wastes	8,0	20,8	15,9	12,4	21,9
Waste products containing polychlorinated biphenyl	0,5	0,2	0,2	0,3	0,2
Unusable equipment	14,4	15,9	9,7	5,9	5,0
Unusable vehicles	3,1	1,2	1,6	1,2	1,0
Waste products of accumulators and batteries	7,2	4,1	3,8	4,5	4,2
Animal waste and mixed food waste	897,0	587,6	607,5	441,0	405,4
Phytogenic waste	7742,3	8782,3	7829,3	8068,6	6101,8
Animal excrements, stale and pus	4938,0	3653,4	3233,8	3612,9	3314,7
Household and similar waste	6789,2	6183,2	6211,2	6618,0	6672,0
Mixed and non-differentiated materials	7380,9	9699,0	9164,1	9940,3	6906,3
Residues of sorting	35,6	63,2	63,6	69,2	35,1
Usual dreg	397,6	515,1	643,5	563,3	334,1
Mineral waste of construction and object demolition including mixed construction waste	897,5	974,1	1023,1	919,4	873,2
Burning out waste	13896,0	14157,0	13553,5	12661,5	10845,7
Other mineral waste	235700,2	265602,0	273157,7	286785,6	404649,4
Earth waste	788,2	367,2	451,7	1360,6	1332,8
Barren rock from dredging work	23125,1	45028,0	26126,0	101361,9	11947,5
Solidified, stabilized or vitrified waste; mineral waste generated after processing	522,2	48,9	51,4	25,7	22,7

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.13. Wastes treatment in 2020, by category of materials

(thsd.t)

	Burned to receive energy	Burned without the receipt energy	Utilized	Removed into special sites or facilities
Total	902,2	105,8	100524,6	275985,3
Used solvents	0,0	1,0	0,9	0,0
Wastes of acids, alkalis or salts	0,2	3,2	96,0	274,1
Used oils	0,5	2,0	12,1	0,6
Chemical wastes	0,2	1,0	2,8	642,5
Industrial drains sediments	0,1	0,0	253,5	338,4
Sludge and liquid waste treatment facilities	0,0	0,1	62,4	152,8
Waste products from medical service and biology	0,0	1,4	0,1	0,0
Iron and steel waste	1,4	0,1	1924,3	1,9
Nonferrous waste	0,0	0,0	5,4	0,0
Mixed iron and steel, and nonferrous wastes	0,0	0,0	0,0	0,0
Glass wastes	0,0	0,0	7,1	0,4
Paper and cardboard wastes	0,1	0,2	0,0	4,3
Rubber wastes	0,0	0,1	1,2	0,1
Plastic wastes	0,1	0,2	15,1	3,2
Wood wastes	300,7	42,9	62,8	21,1
Textile wastes	0,0	0,1	0,9	1,1
Waste products containing polychlorinated biphenyl	0,0	—	—	0,0
Unusable equipment	0,0	0,1	0,8	0,2
Unusable vehicles	—	—	0,0	—
Waste products of accumulators and batteries	—	—	29,0	0,0
Animal waste and mixed food waste	0,1	4,4	203,4	1,9
Phytogenic waste	434,2	46,0	1502,5	15,5
Animal excrements, stale and pus	—	—	2324,6	0,0
Household and similar waste	163,7	0,7	4,5	7521,5
Mixed and non-differentiated materials	0,5	1,5	1312,5	3167,2
Residues of sorting	0,0	0,0	5,3	9,9
Usual dreg	—	—	80,1	114,4
Mineral waste of construction and object demolition including mixed construction waste	0,0	0,0	34,2	1880,9
Burning out waste	0,1	0,1	3236,9	6087,8
Other mineral waste	0,3	0,7	79608,5	251964,1
Earth waste	0,0	0,0	247,5	1139,2
Barren rock from dredging work	—	—	9279,2	2635,1
Solidified, stabilized or vitrified waste; mineral waste generated after processing	—	—	211,0	7,1

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

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

(thsd.t)

	2015		2019		2020	
	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	441516,5	553,0	462373,5	532,0
Agriculture, forestry and fishing	8736,8	93,6	6750,5	24,3	5315,4	25,7
Mining and quarrying	257861,9	37,6	390563,8	41,4	391077,9	30,0
Manufacturing	31000,5	404,5	30751,8	451,5	52311,0	415,4
Electricity, gas, steam and air conditioning supply	6597,5	6,4	5959,2	5,6	5333,7	14,5
Water supply, sewerage, waste management and remediation	594,2	3,6	411,8	4,5	338,3	14,9
water collection, treatment and supply	397,6	0,4	211,0	0,6	230,8	14,6
sewerage, remediation activities	14,6	0,1	88,2	0,0	94,9	0,0
other waste management services	2,0	0,0	2,1	0,0	2,1	0,0
waste collection, treatment and disposal activities; materials recovery	180,0	3,1	110,5	3,9	10,4	0,2
Construction	376,2	1,1	188,7	3,0	14,5	0,2
Other type of economic activity	1047,2	40,3	994,0	22,3	2033,0	30,9
Households	6053,3	0,2	5896,7	0,4	5949,7	0,4

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

USE OF ENVIRONMENT, ECONOMIC INDICATORS

10.15. Capital investment and current costs for environmental protection

	2000	2005	2010	2015	2017	2018	2019	2020
Capital investment and current expenditure at actual prices, mln. UAH	3224,3	7089,2	13128,0	24591,1	31492,0	34392,3	43735,9	41332,2
including capital investment	605,9	1775,6	2761,5	7675,6	11025,6	10074,3	16255,7	13239,6
of which capital repair of fixed assets intended for nature protection purposes	233,3	312,3	498,0	484,9	1142,6	1214,5	1463,4	1691,2
current costs	2618,4	5313,6	10366,5	16915,5	20466,4	24318,0	27480,2	28092,6
Share of expenditure for environmental protection out of the funds of the state and local budgets, percent								
capital investment	7,9 ¹	8,5 ¹	18,2	10,5	16,2	13,6	9,7	13,8
current costs	1,6	2,7	3,6	3,1	3,9	3,9	4,2	5,2

¹ Out of the funds of the state budget

10.16. Capital investment for environmental protection, by purpose

(at current prices; mln. UAH)

	2010	2015	2017	2018	2019	2020
Total	2761,5	7675,6	11025,6	10074,3	16255,7	13239,6
By purpose						
air protection, climate change prevention	1139,9	1422,9	2608,1	3505,9	4276,8	5595,3
purification of waste waters	734,7	848,9	1276,5	1692,6	1753,9	1578,2
waste treatment	475,6	737,5	2471,0	1182,1	5754,3	2899,8
protection and restoration of soils, surface and subsurface water	319,9	388,3	1284,5	1444,3	1721,9	2554,2
noise and vibration reduction	10,7	40,8	161,5	60,3	6,9	77,9
conservancy of biological diversity and habitat	19,5	22,4	177,3	73,4	211,6	371,1
radiation safety	1,6	4205,0	3012,4	2036,5	2479,1	142,9
researches on environmental protection	7,6	2,1	3,8	5,7	10,0	9,8
other purposes of environmental protection activity	52,0	7,7	30,5	73,5	41,2	10,4

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.17. Current expenditure for environmental protection, by purpose

(at current prices; mln. UAH)

	2010	2015	2017	2018	2019	2020
Total	10366,5	16915,5	20466,4	24318,0	27480,2	28092,6
By purpose						
air protection, climate change prevention	1314,8	1519,8	2104,3	2897,7	2963,9	2375,8
purification of waste waters	5035,4	6644,3	8065,3	9623,5	10872,7	10746,8
waste treatment	2599,6	6801,9	7508,2	8830,2	10227,1	11197,2
protection and restoration of soils, surface and subsurface water	476,3	1152,7	983,8	1288,4	1583,9	1577,0
noise and vibration reduction	0,6	67,6	534,9	217,8	29,2	400,3
conservancy of biological diversity and habitat	236,4	378,4	767,3	797,8	959,5	968,0
radiation safety	457,8	88,7	101,7	130,0	230,7	371,1
researches on environmental protection	57,6	46,7	85,4	118,5	117,0	118,1
other purposes of environmental protection activity	188,0	215,4	315,5	414,1	496,2	338,3

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.18. Expenditure for environment protection in 2020, 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	41332,2	13239,6	1691,2	28092,6
Agriculture, forestry and fishing	388,5	15,1	0,5	373,4
Mining and quarrying	11289,9	3762,6	250,2	7527,3
Processing industry	12151,0	5608,0	752,5	6543,0
including				
foodstuffs production	599,6	272,8	41,4	326,8
beverage production	48,7	8,2	1,6	40,5
paper and paper products production	319,3	10,2	—	309,1
coke and refined products production	1239,0	515,1	468,8	723,9
production of chemical substances and chemical products	1253,6	60,0	40,6	1193,6
metallurgical production	7779,8	4436,2	155,5	3343,6
machines and equipment production	156,0	10,6	6,9	145,4
Supply of electricity, gas, steam and conditioned air	2366,4	1135,6	54,5	1230,8
Water supply, sewerage, wastes treatment	9956,5	1149,4	208,5	8807,1
including				
water abstraction, purification and supply	4819,7	552,9	166,8	4266,8
sewerage, disposal and purification of sewage	1167,6	157,9	22,7	1009,7
wastes collection, processing and removal; materials renewal	3870,7	435,4	19,0	3435,3
Construction	184,8	3,4	—	181,4
Wholesale and retail trade; repair of motor vehicles and motorcycles	99,6	23,3	—	76,3
Transport, warehousing, mail and courier activity	807,4	90,1	31,0	717,3
Professional, scientific and technical activity	331,4	76,6	0,4	254,8
Activity in the sphere of administrative and supporting servicing	1606,1	285,1	—	1321,0
State administration and defence; compulsory social insurance	1162,6	614,8	343,5	547,8
Arts, entertainment and recreation	640,3	305,8	0,6	334,5
Other type of economic activity	347,7	169,8	49,5	177,9

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. Three types of output are considered in national accounts: market output, output for own final use and non-market output.

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 at the level of groups of goods and services.

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 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	2981227	70170	102,4	102,8	102,4	122,1
2018	3560302	84228	103,5	104,0	105,9	115,4
2019	3977198	94633	103,2	103,8	109,3	108,2

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	423933	303419	54657	-3274	252036
	2018	871971	510973	360998	74229	-187	286956
	2019	866138	509575	356563	82016	37	274510
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	167306	176851	50939	-1732	127644
	2018	415497	201339	214158	62668	-2113	153603
	2019	432934	210724	222210	69471	-2762	155501
Manufacturing	2010	810843	664094	146749	95678	2693	48378
	2015	1206047	969355	236692	132968	6563	97161
	2016	1458786	1167315	291471	137331	3434	150706
	2017	1805097	1447937	357160	186003	3490	167667
	2018	2060485	1649839	410646	231364	1801	177481
	2019	2142939	1713855	429084	258311	1573	169200
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
	2019	404020	279112	124908	63163	382	61363
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
	2019	53485	39049	14436	15748	-1929	617
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
	2019	570979	463549	107430	53305	1176	52949

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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
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	423094	409256	153059	3732	252465
	2018	958380	486762	471618	195824	4074	271720
Transport and storage, postal and courier activities	2019	1057539	531565	525974	242153	4543	279278
	2010	169526	82257	87269	46914	848	39507
	2015	295634	160656	134978	73271	1289	60418
	2016	341938	185193	156745	81551	-284	75478
	2017	420484	229659	190825	113473	-1115	78467
Accommodation and food service activities	2018	503326	276186	227140	150596	-1068	77612
	2019	582500	317811	264689	158825	-1716	107580
	2010	22579	12474	10105	5250	213	4642
	2015	25458	13512	11946	5858	310	5778
	2016	32637	17086	15551	6724	277	8550
Information and communication	2017	37737	19010	18727	7805	425	10497
	2018	50183	25071	25112	9827	581	14704
	2019	70635	35324	35311	14547	797	19967
	2010	69614	35966	33648	17432	-342	16558
	2015	142223	69627	72596	26268	2856	43472
Financial and insurance activities	2016	182886	93618	89268	29621	246	59401
	2017	225659	115363	110296	37074	1570	71652
	2018	287068	148240	138828	47536	1942	89350
	2019	374510	191843	182667	64193	2748	115726
	2010	100995	38386	62609	28408	786	33415
Real estate activities	2015	107764	40252	67512	26996	1769	38747
	2016	107615	42170	65445	30797	2029	32619
	2017	123165	39773	83392	37211	2382	43799
	2018	150761	51808	98953	47274	2436	49243
	2019	184026	68550	115476	56692	3395	55389
Professional, scientific and technical 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
Administrative and support service activities	2019	339956	98463	241493	29173	960	211360
	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
	2019	287831	146308	141523	68838	1629	71056
	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
	2019	123827	61589	62238	40077	880	21281

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
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	2019	353357	86701	266656	241747	86	24823
	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
Human health and social work activities	2018	214113	55493	158620	142888	146	15586
	2019	242480	69835	172645	153930	201	18514
	2010	63527	22070	41457	35515	-375	6317
	2015	88636	37156	51480	43041	339	8100
	2016	99304	40446	58858	49065	-31	9824
Arts, entertainment and recreation	2017	131970	55830	76140	63889	-114	12365
	2018	158857	81727	77130	69475	68	7587
	2019	184663	89228	95435	83004	127	12304
	2010	10459	4068	6391	5225	-539	1705
	2015	20436	8079	12357	10181	-2328	4504
Other services	2016	23155	9601	13554	10622	-2657	5589
	2017	28264	10888	17376	14626	-4096	6846
	2018	34034	13659	20375	17708	-4985	7652
	2019	39571	15518	24053	20438	-4691	8306
	2010	13787	4821	8966	3331	280	5355
Total (at basic prices)	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
	2019	60407	21570	38837	17142	728	20967
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	2019	555570	×	555570	×	555570	×
	2010	2594833	1474248	1120585	540651	131339	448595
	2015	4488398	2499854	1988544	777646	315911	894987
	2016	5420433	3035066	2385367	873829	369344	1142194
	2017	6721741	3740514	2981227	1170747	467272	1343208
Total	2018	8037021	4476719	3560302	1472321	547631	1540350
	2019	8927367	4950169	3977198	1732773	563734	1680691

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

(at current prices; percent)

	2010	2015	2016	2017	2018	2019
Agriculture, forestry and fishing	7,4	12,1	11,7	10,2	10,1	9,0
Mining and quarrying	5,7	4,8	5,5	5,9	6,0	5,6
Manufacturing	13,0	11,9	12,2	12,0	11,5	10,8
Electricity, gas, steam, and air-conditioning supply	2,8	2,7	3,1	2,9	3,1	3,1
Water supply, sewerage, waste management and remediation	0,7	0,4	0,4	0,3	0,3	0,4
Construction	3,3	1,9	2,0	2,2	2,3	2,7
Wholesale and retail trade; repair of motor vehicles and motorcycles	14,5	13,8	13,3	13,7	13,2	13,2
Transport and storage, postal and courier activities	7,8	6,8	6,6	6,4	6,4	6,6
Accommodation and food service activities	0,9	0,6	0,7	0,6	0,7	0,9
Information and communication	3,0	3,6	3,7	3,7	3,9	4,6
Financial and insurance activities	5,6	3,4	2,7	2,8	2,8	2,9
Real estate activities	5,3	6,2	6,1	5,8	5,8	6,1
Professional, scientific and technical activities	2,5	2,8	2,9	2,9	3,2	3,5
Administrative and support service activities	1,1	1,1	1,2	1,2	1,4	1,6
Public administration and defence, compulsory social security	4,8	4,8	5,2	5,5	6,0	6,7
Education	5,0	4,2	3,7	4,5	4,5	4,3
Human health and social work activities	3,7	2,6	2,5	2,5	2,2	2,4
Arts, entertainment and recreation	0,6	0,6	0,6	0,6	0,6	0,6
Other services	0,8	0,7	0,7	0,7	0,8	1,0
Total (at basic prices)	88,5	85,0	84,8	84,4	84,8	86,0
Taxes on products	11,7	15,2	15,4	15,9	15,4	14,2
Subsidies on products	-0,2	-0,2	-0,2	-0,3	-0,2	-0,2
Gross domestic product	100,0	100,0	100,0	100,0	100,0	100,0

11.4. GDP structure, by income category

(percent)

	2010	2015	2016	2017	2018	2019
Gross domestic product	100,0	100,0	100,0	100,0	100,0	100,0
Labour remuneration of employees	48,2	39,1	36,6	39,3	41,4	43,6
Taxes less subsidies on production and imports	11,8	15,9	15,5	15,7	15,3	14,2
on products	11,5	15,0	15,2	15,6	15,2	14,0
other, related to production	0,3	0,9	0,3	0,1	0,1	0,2
Gross operating surplus, mixed income	40,0	45,0	47,9	45,0	43,3	42,2

NATIONAL ACCOUNTS

11.5. GDP, by category of final use

(at current prices)

	2010	2015	2016	2017	2018	2019
Mln. UAH						
Gross domestic product	1120585	1988544	2385367	2981227	3560302	3977198
Final consumption expenditure	946270	1723629	2032328	2618126	3209292	3705058
households	717509	1331526	1569702	1977640	2438778	2918278
non-profit institutions serving households	8379	15788	18899	23865	30977	39841
general government	220382	376315	443727	616621	739537	746939
individual consumption expenditure	143663	220859	251661	358480	415216	398874
collective consumption expenditure	76719	155456	192066	258141	324321	348065
Gross fixed capital formation	201887	269422	368691	470327	628296	700617
Changes in inventories	3616	47231	148581	124730	32721	-109898
Acquisition, less disposal of valuables	375	188	929	137	784	1500
Exports of goods and services	520585	1045928	1175953	1434713	1610511	1639866
Imports of goods and services	-552148	-1097854	-1341115	-1666806	-1921302	-1959945
Percent of total						
Gross domestic product	100,0	100,0	100,0	100,0	100,0	100,0
Final consumption expenditure	84,4	86,7	85,2	87,8	90,2	93,2
households	64,0	67,0	65,8	66,3	68,5	73,4
non-profit institutions serving households	0,7	0,8	0,8	0,8	0,9	1,0
general government	19,7	18,9	18,6	20,7	20,8	18,8
individual consumption expenditure	12,8	11,1	10,6	12,0	11,7	10,0
collective consumption expenditure	6,9	7,8	8,0	8,7	9,1	8,8
Gross fixed capital formation	18,1	13,5	15,5	15,8	17,7	17,6
Changes in inventories	0,3	2,4	6,2	4,2	0,9	-2,7
Acquisition, less disposal of valuables	0,0	0,0	0,0	0,0	0,0	0,0
Exports of goods and services	46,5	52,6	49,3	48,1	45,2	41,2
Imports of goods and services	-49,3	-55,2	-56,2	-55,9	-54,0	-49,3

NATIONAL ACCOUNTS

11.6. Integrated table of

Uses										
Accounts	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	1959945	1959945								Import of goods and services
	1639866		1639866							Export of goods and services
	8371797	8371797								Output (at basic prices)
	4950169			4950169	15358	479737	231648	66985	4156441	Intermediate consumption
	565943	565943								Taxes on products
	-10373	-10373								Subsidies on products
										Gross value added / gross domestic product ¹
	3421628			3421628	23662	798148	490516	111828	1997474	Consumption of fixed capital
	-491876			-491876	-4619	-76254	-56511	-9518	-344974	Net value added / net domestic product
	2929752			2929752	19043	721894	434005	102310	1652500	External balance of goods and services
320079		320079								
Generation of income account	2061390		328617	1732773	18576	31133	433830	56474	1192760	Compensation of employees
	596422		—	596422	467	12544	175	3395	13898	Taxes on production and imports
	565943			565943						taxes on products
	30479		—	30479	467	12544	175	3395	13898	other taxes on production
	-32688			-32688	—	—	—	—	-22315	Subsidies on production and imports
	-10373			-10373						subsidies on products
	-22315			-22315	—	—	—	—	-22315	other subsidies on products
	1680691			1680691	4619	754471	56511	51959	813131	Gross operating surplus, mixed income
	1188815			1188815	0	678217	0	42441	468157	Net operating, mixed income
Allocation of primary income account	732230		13477	718753	0	39299	121146	145531	412777	Property income
										Gross balance of primary income / gross national income
	4026617			4026617	7352	2893565	603951	98257	423492	Net balance of primary income / net national income
	3534741			3534741	2733	2817311	547440	88739	78518	

NATIONAL ACCOUNTS

national accounts for 2019

(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							1959945		1959945	Production account / External goods and services account
Export of goods and services								1639866	1639866	
Output (at basic prices)	6153915	178813	722164	1277885	39020	8371797			8371797	
Intermediate consumption								4950169	4950169	
Taxes on products			565943			565943			565943	
Subsidies on products			-10373			-10373			-10373	Generation of income account
Gross value added / gross domestic product¹	1997474	111828	490516	798148	23662	3421628			3421628	
Consumption of fixed capital										
Net value added / net domestic product										
External balance of goods and services							320079		320079	
Compensation of employees				2061390		2061390	...		2061390	Allocation of primary income account
Taxes on production and imports			596422			596422			596422	
taxes on products			565943			565943			565943	
other taxes on production			30479			30479			30479	
Subsidies on production and imports			-32688			-32688			-32688	
subsidies on products			-10373			-10373			-10373	Secondary distribution of income account
other subsidies on products			-22315			-22315			-22315	
Gross operating surplus, mixed income	813131	51959	56511	754471	4619	1680691			1680691	
Net operating, mixed income										
Property income	23138	191829	104852	117003	2733	439555	292675		732230	
Gross balance of primary income / gross national income	423492	98257	603951	2893565	7352	4026617			4026617	Secondary distribution of income account
Net balance of primary income / net national income										

NATIONAL ACCOUNTS

Uses										Transactions and balancing items
Accounts	Total	Goods and services (resources)	Rest of the world	Total economy	Non-profit institutions serving households	Households	General government	Financial corporations	Non-financial corporations	
Secondary distribution of income account	422530		5213	417317	240	295791	—	7933	113353	Current taxes on income, wealth, etc
	312194			312194		306656			5538	Social contributions
	558353			558353	723		537177	890	19563	Social benefits other than social transfers in kind
	713264		230558	482706	15098	60580	213537	122026	71465	Other current transfers
	4188838			4188838	44722	2981681	839047	—6535	329923	Gross disposable income
	3696962			3696962	40103	2905427	782536	—16053	—15051	Net disposable income
Redistribution of income in kind account	438715			438715	39841		398874			Social transfers in kind
	4188838			4188838	4881	3420396	440173	—6535	329923	Gross adjusted disposable income
	3696962			3696962	262	3344142	383662	—16053	—15051	Net adjusted disposable income
Use of disposable income account										Gross disposable income
										Adjustment for the change in net equity of households
	394		—	394	—	—	—	394	—	in non-government pension funds
	3705058			3705058	39841	2918278	746939			Final consumption expenditure individual
	3356993			3356993	39841	2918278	398874			consumption expenditure collective
	348065			348065			348065			consumption expenditure
	483780			483780	4881	63797	92108	—6929	329923	Gross saving
	—8096			—8096	262	—12457	35597	—16447	—15051	Net saving
Use of adjusted disposable income account										Gross adjusted disposable income
										Adjustment for the change in net equity of households
	394		—	394	—	—	—	394	—	in non-government pension funds
	3705058			3705058		3356993	348065			Actual final consumption actual individual final
	3356993			3356993		3356993				consumption actual collective final
	348065			348065			348065			consumption
	483780			483780	4881	63797	92108	—6929	329923	Gross saving
	—8096			—8096	262	—12457	35597	—16447	—15051	Net saving
	108439		108439							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			405415			405415	17115		422530	
Social contributions	19563	908	291000		723	312194			312194	
Social benefits other than social transfers in kind				558143		558143	210		558353	
Other current transfers	96787	25149	289395	193000	52708	657039	56225		713264	
Gross disposable income	329923	-6535	839047	2981681	44722	4188838			4188838	Redistribution of income in kind account
Net disposable income										
Social transfers in kind				438715		438715			438715	
Gross adjusted disposable income										
Net adjusted disposable income										
Gross disposable income	329923	-6535	839047	2981681	44722	4188838			4188838	Use of disposable income account
Adjustment for the change in net equity of households in non-government pension funds	—	—	—	394	—	394	—		394	
Final consumption expenditure individual								3705058	3705058	
consumption expenditure collective								3356993	3356993	
consumption expenditure								348065	348065	
Gross saving										
Net saving										
Gross adjusted disposable income	329923	-6535	440173	3420396	4881	4188838			4188838	Use of adjusted disposable income account
Adjustment for the change in net equity of households in non-government pension funds	—	—	—	394	—	394	—		394	
Actual final consumption actual individual final										
consumption actual collective final										
consumption										
Gross saving										

NATIONAL ACCOUNTS

Uses										
Accounts	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
	700617			700617	1920	56548	125214	10308	506627	Gross fixed capital formation
	-491876			-491876	-4619	-76254	-56511	-9518	-344974	Consumption of fixed capital
	-109898			-109898	-105	-1275	4781	-1725	-111574	Changes in inventories
	1500			1500	—	1527	3	-30	—	Acquisitions less disposals of valuables
	0		685	-685	...	...	-319	247	-613	Acquisitions less disposals of non-produced non-financial assets
	0		107496	-107496	4665	27878	-84602	-19026	-36411	Net lending (+), net borrowing (-)
Financial account										Statistical discrepancy
	0		-260	260				260		Monetary gold and SDRs
	480155		-6590	486745	33563	96690	-1060	198323	159229	Currency and deposits
	211055		139392	71663		-240	-8997	116498	-35598	Debt securities
	-66349		15654	-82003		0	-49759	-32269	25	Loans
	179780		127623	52157	—	3450	36280	-1680	14107	Equity and investment fund shares or units
	3007		-66	3073	...	2123		95	855	Insurance, pension and standardized guaranteed schemes
	0		0	0	0	0	0	0	0	Financial derivatives and employee stock
	315556		85010	230546	...	6649	7332	31565	185000	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	-15051	-16447	35597	-12457	262	-8096			-8096	Capital account
Current external balance							108439		108439	
Capital transfers, receivable	31765	—	2092	20881	1599	56337	25		56362	
Capital transfers, payable	-3659	-3297	-49123	...	—	-56079	-283		-56362	
Gross fixed capital formation								700617	700617	
Consumption of fixed capital										
Changes in inventories								-109898	-109898	
Acquisitions less disposals of valuables								1500	1500	
Acquisitions less disposals of non-produced non-financial assets										
Net lending (+), net borrowing (-)	-36411	-19026	-84602	27878	4665	-107496	107496		0	Financial account
Statistical discrepancy	-17341	13244	2827	0	-28898	-30168	30168		0	
Monetary gold and SDRs										
Currency and deposits		348900				348900	131255		480155	
Debt securities	10646	-30131	78038			58553	152502		211055	
Loans	-58504	-32957	790	24072	0	-66599	250		-66349	
Equity and investment fund shares or units	157600	5806				163406	16374		179780	
Insurance, pension and standardized guaranteed schemes		2912				2912	95		3007	
Financial derivatives and employee stock	0	0	0	0	0	0	0		0	
Other accounts receivable / payable	232946	50532	-7603	56722	...	332597	-17041		315556	

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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	196769	296	194488	1262	18	246	31899
Mining and quarrying	3575	30023	252036	168223	577	21437	3927
Manufacturing	212540	75612	876216	41774	12693	220598	99407
Electricity, gas, steam and air-conditioning supply	16229	41237	118956	32803	8035	3029	16466
Water supply, sewerage, waste management and remediation	853	701	4815	6429	3063	420	1194
Construction	4021	2279	21018	2864	754	167157	12872
Wholesale and retail trade; repair of motor vehicles and motorcycles	116934	49544	674490	2150	2432	14659	130783
Transportation and storage, postal and courier activities	42038	45934	172329	1359	2526	3358	67128
Accommodation and food service activities	233	159	1563	319	9	478	1666
Information and communication	974	773	10265	2134	661	1376	24045
Financial and insurance activities	8371	4727	18202	6724	1336	2511	43932
Real estate activities	4475	2518	21469	2325	611	2604	40194
Professional, scientific and technical activities	14113	12027	43812	4089	2759	18830	44173
Administrative and support service activities	5865	5923	7717	688	2066	5473	5997
Public administration and defence, compulsory social security	1334	1752	7934	5254	1187	846	4909
Education	34	140	241	130	31	56	250
Human health and social work activities	66	261	574	189	69	298	151
Arts, entertainment and recreation	34	41	510	61	19	8	289
Other services	178	164	455	335	203	165	2283
Intermediate consumption	628636	274111	2427090	279112	39049	463549	531565
Labour remuneration of employees	82016	69471	258311	63163	15748	53305	242153
Taxes on production and imports	14573	13869	398232	17237	2152	26745	9854
Subsidies on production and imports	-2990	-6448	-3038	-5406	-3049	-36	
Gross operating surplus, mixed income	274510	155501	169200	61363	617	52949	279278
Gross domestic product	368109	232393	822705	136357	15468	132963	531285
Output	996745	506504	3249795	415469	54517	596512	1062850

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at consumer prices in 2019¹

(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
2999	4677	7		553	244	331	2395	2924	704	58	73	439943
41694	544	78	2	956	401	1591	2109	2789	992	248	271	531473
104198	11863	14785	4796	17512	24565	11241	32963	4762	37966	1632	5060	1810183
33722	3820	4288	44	555	2855	4252	9365	15164	5147	2295	1720	319982
1174	404	146	14	1717	143	1963	470	355	713	115	304	24993
13078	1556	1208	235	17031	13626	3776	6607	406	880	220	726	270314
17762	563	7570	3250	5162	11853	2747	2141	5471	3862	951	522	1052846
48408	306	773	207	646	5684	1979	5664	1019	699	516	357	400930
682	795	554	27	86	1502	1497	1409	98	408	588	104	12177
3602	1299	135109	3001	2097	17530	2451	5565	9276	4065	1022	1697	226942
10028	1634	4600	35950	7314	10657	2026	3282	3399	3993	843	1206	170735
5273	1743	10883	5733	16318	32380	2068	277	1183	3573	625	722	154974
14755	2858	6935	12499	17535	21167	8624	9728	8627	3470	1348	2449	249798
16662	2083	2402	2174	8995	656	16229		4050	2068	2106	2142	93296
2419	529	265	350	1319	1402	509	1593	3833	1525	474	115	37549
187	26	93	41	47	503	59	388	5948	298	8	7	8487
575	128	93	14	16	84	25	613	15	17178	68	14	20431
217	213	1712		231	523	38	2132	252	270	2241	3643	12434
376	283	342	213	373	533	183		264	1417	160	438	8365
317811	35324	191843	68550	98463	146308	61589	86701	69835	89228	15518	21570	5845852
158825	14547	64193	56692	29173	68838	40077	241747	153930	83004	20438	17142	1732773
19582	3320	16484	9678	38164	8272	7124	86	3866	4246	1534	1404	596422
-4594		-475		-518	-136	-930			-176	-4892		-32688
107580	19967	115726	55389	211360	71056	21281	24823	18514	12304	8306	20967	1680691
281393	37834	195928	121759	278179	148030	67552	266656	176310	99378	25386	39513	3977198
599204	73158	387771	190309	376642	294338	129141	353357	246145	188606	40904	61083	9823050

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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	282384		4642	4914	-18170		341439	-58407	996745
Mining and quarrying	58799		4750		-14966		108259	-181811	506504
Manufacturing	1766717	409	6187	347172	-74697	1140	806402	-1413718	3249795
Electricity, gas, steam and air-conditioning supply	73039		15055				12228	-4835	415469
Water supply, sewerage, waste management and remediation	14746		14329				1874	-1425	54517
Construction	3113			323584	-1519		2989	-1969	596512
Wholesale and retail trade; repair of motor vehicles and motorcycles	12386		31				1729	-4142	1062850
Transportation and storage, postal and courier activities	115901		24346				171493	-113466	599204
Accommodation and food service activities	87268						6889	-33176	73158
Information and communication	68792		1692	10430			120687	-40772	387771
Financial and insurance activities	34518						5087	-20031	190309
Real estate activities	220272	2794	1087	4525			1837	-8847	376642
Professional, scientific and technical activities	6396		13482	9546	-546		35999	-20337	294338
Administrative and support service activities	44219		1410				10360	-20144	129141
Public administration and defence, compulsory social security	967		324322				811	-10292	353357
Education	36176	872	200899				219	-508	246145
Human health and social work activities	44505	11072	114640				678	-2720	188606
Arts, entertainment and recreation	19037	432	20043			360	3069	-14471	40904
Other services	29043	24262	24	446			7817	-8874	61083
Total	2918278	39841	746939	700617	-109898	1500	1639866	-1959945	9823050

¹ The table is aggregated

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11.8. Gross regional product

(at current prices; mln. UAH)

	2010	2015	2016	2017	2018	2019
Ukraine	1082569	1988544	2385367	2981227	3560302	3977198
Autonomous Republic of Crimea	32426	...	...	...	...	...
oblasts						
Vinnitsya	23589	59871	74411	92288	111489	129097
Volyn	14429	31688	35744	51919	60445	75620
Dnipropetrovsk	116136	215206	244478	313527	369356	390342
Donetsk	128986	115012	137500	165932	192161	204893
Zhytomyr	18743	38425	47919	61424	77103	85267
Zakarpattia	15299	28952	32390	43037	52445	61325
Zaporizhzhya	42736	89061	104323	130187	147043	155158
Ivano-Frankivsk	20446	45854	51404	63809	78439	86679
Kyiv	44953	104030	128638	156829	198142	218647
Kirovohrad	15749	38447	46021	52978	64417	73066
Luhansk	45541	23849	31356	30265	35204	40291
Lviv	41655	94690	114842	147308	177233	214400
Mykolayiv	24055	48195	57815	69299	79903	92427
Odesa	53878	99761	119800	149392	173224	197153
Poltava	44291	95867	116272	150543	174089	187289
Rivne	15882	35252	39469	48796	56835	67363
Sumy	18333	41567	46287	56473	68476	75827
Ternopil	12726	26656	31072	40715	49127	57140
Kharkiv	65293	124843	154871	187238	233279	247596
Kherson	15649	32215	38743	47819	55152	61939
Khmelnyskiy	18096	41088	48859	63808	75638	83006
Cherkasy	22354	50843	59412	73073	93287	103466
Chernivtsi	9892	18506	21239	28579	33905	41660
Chernihiv	17008	36966	43362	56611	70611	77981
cities						
Kyiv	196639	451700	559140	699378	833299	949566
Sevastopol	7785	...	...	...	...	...

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11.9. Share of gross regional product in the general total

(percent)

	2010	2015	2016	2017	2018	2019
Ukraine	100,0	100,0	100,0	100,0	100,0	100,0
Autonomous Republic of Crimea	3,0	...	...	...	...	...
oblasts						
Vinnitsya	2,2	3,0	3,1	3,1	3,1	3,3
Volyn	1,3	1,6	1,5	1,7	1,7	1,9
Dnipropetrovsk	10,7	10,8	10,2	10,5	10,3	9,8
Donetsk	11,9	5,8	5,8	5,6	5,4	5,2
Zhytomyr	1,7	1,9	2,0	2,1	2,2	2,1
Zakarpattia	1,4	1,5	1,4	1,4	1,5	1,5
Zaporizhzhya	3,9	4,5	4,4	4,4	4,1	3,9
Ivano-Frankivsk	1,9	2,3	2,2	2,1	2,2	2,2
Kyiv	4,2	5,2	5,4	5,3	5,6	5,5
Kirovohrad	1,5	1,9	1,9	1,8	1,8	1,8
Luhansk	4,2	1,2	1,3	1,0	1,0	1,0
Lviv	3,8	4,8	4,8	4,9	5,0	5,4
Mykolayiv	2,2	2,4	2,5	2,3	2,2	2,3
Odesa	5,0	5,0	5,0	5,0	4,9	5,0
Poltava	4,1	4,8	4,9	5,0	4,9	4,7
Rivne	1,5	1,8	1,7	1,6	1,6	1,7
Sumy	1,7	2,1	1,9	1,9	1,9	1,9
Ternopil	1,2	1,3	1,3	1,4	1,4	1,4
Kharkiv	6,0	6,3	6,5	6,3	6,6	6,2
Kherson	1,4	1,6	1,6	1,6	1,5	1,6
Khmelnyskiy	1,7	2,1	2,0	2,1	2,1	2,1
Cherkasy	2,1	2,6	2,5	2,5	2,6	2,6
Chernivtsi	0,9	0,9	0,9	1,0	1,0	1,0
Chernihiv	1,6	1,9	1,8	1,9	2,0	2,0
cities						
Kyiv	18,2	22,7	23,4	23,5	23,4	23,9
Sevastopol	0,7	...	...	...	...	...

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11.10. Per capita gross regional product

(at current prices; UAH)

	2010	2015	2016	2017	2018	2019
Ukraine	23600	46413	55899	70171	84228	94632
Autonomous Republic of Crimea	16507	...	...	...	...	...
oblasts						
Vinnitsya	14332	37270	46615	58296	71098	83133
Volyn	13916	30387	34310	49937	58294	73176
Dnipropetrovsk	34709	65897	75396	97043	114750	122303
Donetsk	28986	26864	32318	39299	45936	49385
Zhytomyr	14616	30698	38520	49700	62905	70225
Zakarpattia	12278	22989	25727	34197	41706	48853
Zaporizhzhya	23657	50609	59729	75196	85764	91452
Ivano-Frankivsk	14814	33170	37220	46282	57030	63237
Kyiv	26140	60109	74216	89904	112510	123216
Kirovohrad	15533	39356	47469	55128	67743	77788
Luhansk	19788	10778	14251	13873	16300	18793
Lviv	16353	37338	45319	58183	70169	85177
Mykolayiv	20276	41501	50091	60486	70325	82121
Odesa	22544	41682	50159	62643	72731	82879
Poltava	29652	66390	81145	105994	123722	134383
Rivne	13785	30350	33958	42004	49038	58318
Sumy	15711	37170	41741	51367	62943	70550
Ternopil	11713	24963	29247	38563	46828	54821
Kharkiv	23639	45816	57150	69409	86889	92837
Kherson	14346	30246	36585	45486	52914	59972
Khmelnyskiy	13602	31660	37881	49858	59576	65893
Cherkasy	17325	40759	48025	59612	76881	86279
Chernivtsi	10939	20338	23365	31495	37443	46135
Chernihiv	15406	35196	41726	55139	69712	78098
cities						
Kyiv	70424	155904	191736	238687	283175	320897
Sevastopol	20455	...	...	...	...	...

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11.11. Volume indices of gross regional product

(at the prices of the previous year; percent)

	2010	2015	2016	2017	2018	2019
Ukraine	104,1	90,2	102,4	102,4	103,5	103,2
Autonomous Republic of Crimea	103,4	...	...	...	...	...
oblasts						
Vinnitsya	103,0	97,1	106,5	101,6	105,0	108,6
Volyn	100,2	95,3	108,2	105,2	103,8	94,2
Dnipropetrovsk	105,8	90,3	98,4	102,0	102,5	103,7
Donetsk	111,1	61,3	99,1	94,9	100,5	101,7
Zhytomyr	112,8	98,1	105,2	104,9	104,8	100,5
Zakarpattia	107,7	93,5	97,3	103,2	104,0	101,5
Zaporizhzhya	103,2	94,7	99,7	102,9	100,6	102,6
Ivano-Frankivsk	100,5	92,0	99,0	107,1	105,7	106,1
Kyiv	105,1	94,0	105,7	104,4	106,9	104,1
Kirovohrad	105,7	91,7	105,0	98,4	107,0	106,2
Luhansk	102,3	47,7	118,0	83,6	98,7	104,3
Lviv	102,3	95,2	99,3	103,7	105,7	104,6
Mykolayiv	103,2	95,3	105,6	99,0	103,1	106,6
Odesa	102,4	95,8	104,2	104,0	101,8	103,4
Poltava	109,5	93,8	97,9	96,7	103,8	101,0
Rivne	106,8	93,4	100,3	103,4	101,5	107,1
Sumy	98,9	96,7	96,6	100,1	105,5	101,9
Ternopil	100,4	93,7	98,5	105,5	103,3	103,6
Kharkiv	101,7	90,9	102,1	101,2	102,4	101,4
Kherson	101,8	98,7	102,8	100,7	99,9	104,6
Khmelnyskiy	100,0	92,2	104,7	106,2	101,9	100,7
Cherkasy	105,9	95,0	101,8	98,2	108,8	103,7
Chernivtsi	100,3	94,7	99,4	103,4	104,6	105,1
Chernihiv	100,0	93,4	100,6	102,0	104,2	101,7
cities						
Kyiv	101,4	93,3	105,5	105,7	103,7	103,1
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. Budgets of local self-government – budgets of rural, settlement, city territorial communities, as well as budgets of districts in cities (in case of formation of district councils in the city).

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	2017	2018	2019	2020
Revenue	134183,2	314506,3²	652031,0	1016969,5	1184290,8	1289849,2	1376673,8
Tax revenues	98065,2	234447,7	507635,9	828158,8	986348,5	1070321,8	1136687,2
Non-tax revenues	31778,0	73837,0	140154,4	154552,1	192716,6	212858,5	234421,6
Revenues from capital transactions	2803,9	3143,2	1799,5	2160,5	2801,0	3111,9	3552,5
From the European Union, governments of foreign countries, international organisations, donor institutions	182,5	305,6	1882,2	1631,2	1559,0	1184,2	1176,0
Earmarked funds	1353,6	2772,7	558,9	30467,0	865,6	2372,8	836,4
Expenditure³	141698,8	377842,8	679871,4	1056973,1	1250189,5	1372350,6	1595395,9
Public administration	15480,9	44902,5	117642,4	166295,1	191550,0	203109,2	204819,6
including debt servicing	3311,6	16395,4	86172,7	110578,2	116088,0	120096,1	121239,4
Defence	6041,0	11347,1	52015,8	74360,4	97024,1	106627,8	120374,1
Law enforcement, security and judiciary	10226,8	28825,6	54963,0	88485,3	118025,5	143694,4	159509,6
Economic activity	19115,1	43832,4	56257,3	102883,4	140761,4	154218,0	262916,6
Environment protection	1252,5	2872,4	5529,7	7349,3	8242,1	9731,1	9056,6
Housing and utilities	3914,2	5431,3	15700,4	27187,5	30345,5	34490,0	32214,5
Health care	15476,5	44745,4	71001,1	102392,4	115852,0	128384,6	175789,7
Intellectual and physical development	3449,8	11525,4	16228,3	24342,3	28993,1	31550,1	31710,9
Education	26801,8	79826,0	114193,5	177915,8	210032,3	238758,7	252283,7
Social protection and social security	39940,2	104534,9	176339,8	285761,7	309363,6	321786,7	346720,5
Lending	290,7	1348,4	3057,8	2122,1	1893,0	4762,7	5736,8
Excess of expenditure over revenue (deficit)	7806,3	64684,9	30898,2	42125,7	67791,8	87264,2	224458,8

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	2017	2018	2019	2020
Excess of expenditure over revenue (deficit)	7945,7	64265,5¹	45167,5	47882,1	59251,1	80993,7	217611,0
Deficit financing sources							
Domestic financing	6997,5	17007,2	-64522,7	10923,6	14492,0	85005,3	121822,1
External financing	948,2	47258,3	109690,2	36958,5	44759,2	-4011,6	95788,9

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
2010 ¹	314506,3	233990,5	74,4	80515,8	25,6
2015	652031,0	531550,8	81,5	120480,2	18,5
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
2020	1376673,8	1065368,9	77,4	311304,8	22,6
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
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
2020	1136687,2	851115,6	74,9	285571,5	25,1
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
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
2020	295107,3	117281,3	39,7	177826,0	60,3

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
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
2020	118471,8	108695,0	91,7	9776,7	8,3
VAT					
2005	33803,8	33803,8	100,0	—	—
2010 ¹	86315,9	86315,9	100,0	—	—
2015	178452,4	178452,4	100,0	—	—
2017	313980,6	313980,6	100,0	—	—
2018	374508,2	374508,2	100,0	—	—
2019	378690,2	378690,2	100,0	—	—
2020	400600,1	400600,1	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
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
2020	153850,3	138296,1	89,9	15554,2	10,1
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
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
2020	234421,6	212957,2	90,8	21464,4	9,2
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
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
2020	5564,9	1296,1	23,3	4268,8	76,7
Expenditure ²					
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
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
2020	1595395,9	1127944,3	70,7	467451,6	29,3

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
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
2020	204819,6	163850,1	80,0	40969,4	20,0
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
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
2020	121239,4	119718,8	98,7	1520,6	1,3
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
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	—	—
2020	120374,1	120374,1	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
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
2020	159509,6	157675,8	98,9	1833,8	1,1
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
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
2020	262916,6	168990,0	64,3	93926,6	35,7
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
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
2020	9056,6	6636,8	73,3	2419,8	26,7

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
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
2020	32214,5	88,5	0,3	32125,9	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
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
2020	175789,7	124923,7	71,1	50866,0	28,9
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
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
2020	31710,9	9826,4	31,0	21884,5	69,0
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
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
2020	252283,7	52857,8	21,0	199425,9	79,0
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
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
2020	346720,5	322720,9	93,1	23999,6	6,9
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
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
2020	5736,8	5516,6	96,2	220,2	3,8

¹ See the second footnote to Table 12.1² 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	2017	2018	2019	2020
Money circulating beyond banks (M0)	60231	182990	282673	332546	363629	384366	516085
Monetary aggregate (M1)	98573	289894	472217	601631	671285	770043	1050057
Monetary aggregate (M2)	193145	596841	993812	1208557	1273772	1435221	1847370
Monetary aggregate (M3)	194071	597872	994062	1208859	1277635	1438311	1850014

¹ Here and elsewhere (Tables 12.5–12.7) based on data from the National Bank of Ukraine² 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	2017	2018	2019	2020
Total	143423	732823	981627	1016657	1073131	971871	948386
in currency							
national	81279	395504	433826	570627	613994	613708	600474
foreign	62144	337319	547802	446031	459137	358162	347912

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	2017	2018	2019	2020
1 pounds sterling	9,34	12,27	33,40	34,25	36,34	33,00	34,59
1 US dollars	5,12	7,94	21,84	26,60	27,20	25,85	26,96
1 euros	6,39	10,53	24,23	30,00	32,14	28,95	30,79
10 Japanese yen	0,47	0,91	1,80	2,37	2,46	2,37	2,53
1 SDRs	7,58	12,11	30,56	36,87	38,51	35,72	37,57
10 Russian rubles	1,81	2,61	3,62	4,56	4,36	3,99	3,74

12.7. Deposits by households, held with deposit-taking corporations (banks)*(end of year; mln. UAH)*

	2005	2010	2015	2017	2018	2019	2020
Total	74778	275093	410895	495313	530250	576126	730317
in currency							
national	43688	142924	198876	252439	289416	339168	433417
foreign	31090	132169	212019	242874	240833	236958	296900

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

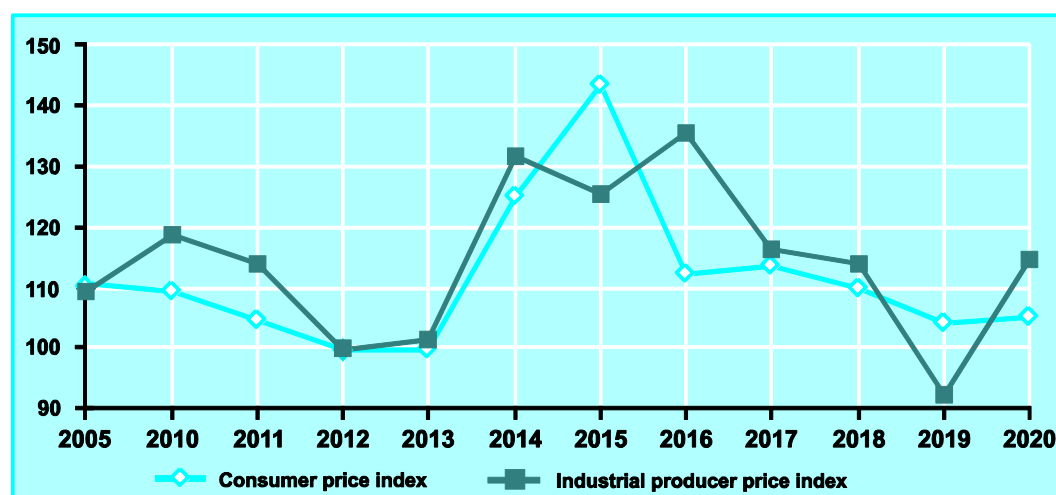
13.1. Price indices

(percent of the previous year)

	2005	2010	2015	2017	2018	2019	2020
Consumer price index	113,5	109,4	148,7	114,4	110,9	107,9	102,7
Industrial producer price index	116,7	120,9	136,0	126,4	117,4	104,1	98,4
Price index for agricultural products sold by agricultural enterprises	108,1	130,0	154,5	111,5	109,3	92,4	119,2
Price index for construction	125,6	115,8	127,1	113,4	123,0	106,0	103,7

13.2. Consumer price indices and industrial producer price indices in 2005–2020

(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	2017	2018	2019	2020
Consumer price index	110,3	109,1	143,3	113,7	109,8	104,1	105,0
Base consumer price index	...	107,9	134,7	109,5	108,7	103,9	104,5
Industrial producer price index	109,5	118,7	125,4	116,5	114,2	92,6	114,5
Price index for construction	126,0	118,9	122,7	115,5	119,1	100,7	109,6

PRICES

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

(percent)

	2005	2010	2015	2019	2020	2005	2010	2015	2019	2020
	Dec. over Dec. of the previous year					of the previous year				
Foodstuffs and non-alcoholic beverages	110,2	110,6	141,5	104,8	104,9	116,2	110,9	145,9	108,0	102,7
Foodstuffs	110,8	110,7	140,1	104,9	105,2	117,5	110,7	144,4	108,3	102,9
bread and cereal products	102,2	116,5	144,6	109,4	109,7	98,9	112,3	160,6	113,6	108,6
bread	100,4	111,3	145,7	109,7	108,5	97,4	110,2	154,8	117,7	106,4
pasta	99,3	111,0	143,6	103,6	106,5	97,0	107,1	154,1	110,9	103,5
meat and meat products	118,4	104,1	122,5	103,3	100,8	130,3	102,0	131,3	106,6	99,9
fish and fish products	119,4	104,2	142,4	104,9	103,8	129,8	105,1	160,2	108,4	102,4
milk, cheese and eggs	110,1	116,0	133,5	103,3	108,0	123,4	121,9	128,5	104,0	104,7
oil and fats	102,0	108,1	141,5	102,4	108,8	124,0	109,6	145,5	105,2	102,6
fruits	126,1	109,3	148,2	118,8	112,9	120,6	105,1	172,4	97,3	122,2
vegetables	104,7	120,9	166,7	99,2	87,9	91,7	114,5	130,8	131,3	83,4
sugar	121,7	120,3	169,8	102,2	147,7	127,5	157,5	136,0	99,9	109,7
Non-alcoholic beverages	107,7	105,7	157,8	102,9	102,0	107,5	109,1	166,1	105,0	101,8
Alcoholic beverages, tobacco (products)	107,7	122,1	122,7	113,0	109,2	106,5	125,6	133,2	115,6	110,7
Clothes and footwear	102,2	102,2	135,0	97,7	92,7	101,9	103,7	133,1	100,2	95,4
clothes	101,6	102,3	133,2	98,0	92,8	101,6	103,6	131,1	99,8	95,8
footwear	102,6	102,5	137,8	97,0	92,5	102,1	104,1	136,4	100,1	94,8
Housing, water, electricity, gas and other types of fuels	114,6	113,8	203,0	98,1	113,6	109,0	109,4	215,8	108,0	97,0
water supply	127,6	106,4	123,0	112,7	118,5	114,9	112,9	138,7	118,4	121,8
sewerage	134,3	107,1	122,5	112,2	116,5	118,6	116,9	146,5	120,0	118,8
maintenance of buildings and adjacent territories	139,8	104,4	105,4	106,9	102,7	121,9	112,6	105,0	111,6	104,5
electricity	100,0	100,0	166,9	100,0	100,0	100,0	100,0	142,3	100,0	100,0
natural gas	101,2	150,1	373,0	71,3	156,3	100,5	120,9	453,2	102,6	81,2
hot water, heating	115,9	106,2	178,4	114,4	97,8	110,4	105,6	161,1	118,3	91,5
Household goods, household appliances and current maintenance of housing	102,1	101,2	136,0	99,8	100,5	104,7	103,2	145,9	102,9	99,3
Health care	109,2	105,8	129,1	103,8	107,7	109,7	107,9	137,6	106,7	105,3
Transport	119,7	106,6	120,4	97,6	102,7	120,0	109,6	136,8	104,1	98,1
fuels and lubricants	124,5	113,9	112,5	91,8	89,5	135,4	118,3	134,5	95,5	84,0
transport services	122,1	105,0	127,0	107,7	103,9	119,1	108,1	132,2	119,8	104,4
rail passenger transport	100,8	100,0	109,0	119,2	106,1	100,8	105,3	118,7	124,4	107,2
road passenger transport	125,5	105,8	130,6	107,2	103,0	121,8	108,4	134,5	119,4	104,3
Communications	101,7	91,1	107,0	111,8	104,1	100,7	93,6	105,9	115,5	106,5
Leisure and culture	102,7	102,5	137,9	99,9	100,1	103,9	104,0	142,7	102,4	98,2
Education	118,0	110,3	124,2	113,5	113,9	113,1	113,1	117,9	113,4	113,6
Restaurants and hotels	118,6	107,4	123,3	108,8	103,7	117,5	107,4	124,3	111,1	105,9
Various goods and services	106,3	108,7	131,4	107,8	106,0	106,2	109,2	138,6	109,8	106,4

PRICES

13.5. Consumer price indices, by region

(percent)

	2005	2010	2015	2019	2020	2005	2010	2015	2019	2020
	Dec. over Dec. of the previous year					of the previous year				
Ukraine	110,3	109,1	143,3	104,1	105,0	113,5	109,4	148,7	107,9	102,7
Autonomous Republic of Crimea	111,5	109,6	...	...	...	113,2	110,7	...	...	...
oblasts										
Vinnitsya	110,7	107,0	138,8	102,4	102,9	112,7	108,0	146,2	106,5	100,7
Volyn	109,1	108,1	143,3	104,9	105,8	112,5	108,0	150,5	108,2	103,8
Dnipropetrovsk	108,0	109,3	142,6	103,7	104,5	112,0	109,8	149,8	107,4	102,3
Donetsk	111,9	110,3	146,9	106,0	105,2	115,2	109,9	146,1	110,9	103,6
Zhytomyr	110,8	108,9	143,7	103,6	104,6	115,4	109,3	151,1	107,5	102,0
Zakarpattia	111,6	108,5	144,0	104,3	105,7	112,3	109,0	151,0	107,8	104,0
Zaporizhzhya	111,9	109,7	142,1	103,2	104,2	115,3	110,3	148,5	107,5	101,6
Ivano-Frankivsk	110,3	108,3	143,4	104,5	105,6	111,6	108,3	150,4	107,5	103,3
Kyiv	112,6	107,9	144,3	104,4	105,2	114,3	108,3	150,4	107,9	102,5
Kirovohrad	110,0	108,5	141,3	103,6	105,3	115,0	108,2	146,7	107,3	102,3
Luhansk	112,0	110,5	138,8	104,3	105,0	114,3	109,9	143,8	107,8	102,6
Lviv	108,4	109,7	145,2	104,2	105,3	111,6	110,5	152,5	107,9	103,0
Mykolayiv	111,5	110,0	143,5	103,8	104,9	113,4	110,0	149,0	107,9	102,6
Odesa	108,8	110,5	144,6	103,9	104,4	111,4	111,2	151,6	107,5	102,0
Poltava	113,7	108,4	145,0	104,5	103,7	116,1	109,2	149,2	108,2	102,3
Rivne	110,3	108,3	144,9	104,4	105,3	114,4	108,5	151,8	108,0	103,1
Sumy	112,2	108,9	145,5	104,8	104,8	115,9	109,1	150,4	108,2	102,5
Ternopil	108,4	108,5	145,1	104,2	103,7	110,8	108,1	151,7	107,8	102,1
Kharkiv	108,9	109,0	144,2	104,8	105,2	113,2	109,5	149,9	109,4	103,2
Kherson	109,2	110,6	145,8	103,3	105,6	113,6	109,8	150,1	107,7	102,5
Khmelnyskiy	108,5	109,6	142,5	104,4	104,9	113,3	110,2	148,5	107,3	103,3
Cherkasy	111,4	109,0	143,8	103,2	105,9	114,8	108,9	149,6	107,6	102,8
Chernivtsi	111,3	108,2	142,0	103,8	105,5	112,4	108,1	148,6	106,6	103,0
Chernihiv	109,9	109,5	145,6	104,3	105,2	114,1	108,9	152,7	107,6	103,1
cities										
Kyiv	110,5	109,8	138,6	103,9	105,8	112,9	110,0	143,9	107,6	103,1
Sevastopol	110,0	112,8	...	...	...	112,3	112,5	...	...	...

PRICES

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	105,0	104,9	109,2	92,7	113,6	100,5
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnitsya	102,9	104,2	108,8	90,2	121,3	89,9
Volyn	105,8	107,3	109,7	91,2	119,5	98,2
Dnipropetrovsk	104,5	103,8	109,4	90,7	113,1	99,7
Donetsk	105,2	105,2	111,1	97,3	107,3	103,6
Zhytomyr	104,6	103,6	108,8	94,0	111,0	95,1
Zakarpattia	105,7	105,4	108,1	97,2	122,0	101,8
Zaporizhzhya	104,2	103,7	108,6	94,2	114,2	101,9
Ivano-Frankivsk	105,6	105,2	108,6	90,9	121,1	99,3
Kyiv	105,2	104,8	107,8	95,3	115,8	102,0
Kirovohrad	105,3	106,5	109,0	94,5	103,8	101,1
Luhansk	105,0	105,6	110,3	89,2	107,4	103,0
Lviv	105,3	105,1	110,5	95,1	117,8	99,2
Mykolayiv	104,9	104,0	108,9	93,7	116,9	100,6
Odesa	104,4	105,0	108,6	92,7	114,3	101,3
Poltava	103,7	103,4	108,3	94,3	109,7	98,2
Rivne	105,3	105,3	109,6	94,9	117,1	98,9
Sumy	104,8	105,6	107,3	92,3	113,0	99,4
Ternopil	103,7	103,5	109,0	83,4	118,9	97,1
Kharkiv	105,2	105,1	107,7	95,7	113,9	100,9
Kherson	105,6	105,8	110,4	90,7	113,0	101,8
Khmelnyskiy	104,9	105,5	107,9	94,8	119,6	100,1
Cherkasy	105,9	105,4	111,0	88,9	116,6	102,9
Chernivtsi	105,5	104,6	107,4	97,9	121,3	100,9
Chernihiv	105,2	104,0	108,0	99,7	116,1	100,1
cities						
Kyiv	105,8	106,6	109,7	86,1	103,2	103,4
Sevastopol	...	...	...	...	...	...

PRICES

in 2020, 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
107,7	102,7	104,1	100,1	113,9	103,7	106,0
...	...	...	...	...	...	...
101,8	99,0	105,6	94,7	113,4	101,9	93,8
108,6	101,4	104,8	97,7	108,7	102,4	103,6
109,8	102,7	104,6	97,7	121,0	104,1	104,7
104,2	102,2	103,1	102,9	120,6	106,7	106,0
109,4	104,7	104,3	96,6	112,5	104,1	121,3
107,0	102,5	103,1	96,0	110,6	107,5	108,0
110,9	100,5	104,5	102,0	110,1	101,7	104,4
108,7	106,3	103,8	102,3	110,8	102,2	104,8
111,0	103,6	103,0	101,4	104,4	106,2	103,2
109,0	102,3	104,6	98,0	107,1	103,5	111,1
106,3	101,2	105,8	104,3	112,8	105,0	104,0
107,5	101,3	102,6	95,7	118,3	99,5	115,1
109,4	100,7	103,2	100,8	117,4	104,3	105,3
106,0	101,2	102,4	102,4	107,4	102,7	103,9
110,5	102,0	100,5	99,8	107,1	103,6	102,8
108,7	101,1	105,9	96,2	120,6	103,3	103,5
107,0	102,6	105,1	106,0	107,3	103,0	102,2
104,8	100,4	107,0	95,7	114,8	102,4	112,6
108,5	102,4	104,5	101,7	113,7	104,4	105,6
109,5	101,3	104,5	100,4	120,9	103,2	110,2
107,6	101,5	106,4	96,0	112,1	104,3	97,1
111,3	103,0	103,1	99,1	105,6	105,4	112,9
106,6	105,0	104,1	98,9	128,6	101,7	103,7
110,1	102,8	104,2	102,7	109,2	103,6	104,8
107,4	108,4	105,2	101,8	113,7	103,4	106,1
...	...	...	...	...	...	...

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13.7. Industrial producer price indices, by type of activity

(percent)

	2015	2018	2019	2020	2015	2018	2019	2020
	Dec. over Dec. of the previous year				of the previous year			
Industry	125,4	114,2	92,6	114,5	136,0	117,4	104,1	98,4
Mining and quarrying	117,6	114,3	77,2	129,5	134,8	118,2	103,7	84,7
Mining of coal and lignite	99,2	105,4	76,4	92,7	126,0	121,6	99,1	71,9
Mining of crude oil and natural gas	220,3	124,9	67,7	128,6	211,7	116,0	97,2	71,7
Mining of metal ore	91,1	108,2	78,6	144,6	110,7	114,6	108,9	94,9
Manufacturing	123,8	107,4	94,3	115,7	136,7	113,0	100,0	101,6
including								
Manufacture of food products, beverages and tobacco products	136,4	107,0	101,8	121,9	142,5	109,6	104,0	109,2
Manufacture of textiles, apparel, leather and related products	126,7	108,7	102,1	104,7	133,2	110,4	106,3	103,4
Manufacture of wood and paper products, and printing	134,0	109,7	94,0	110,5	149,1	112,2	100,5	101,4
Manufacture of coke, and refined petroleum products	104,7	96,9	85,8	101,8	130,8	117,7	96,2	84,7
Manufacture of chemicals and chemical products	124,2	107,7	91,1	120,9	149,2	110,6	99,2	102,9
Manufacture of pharmaceuticals, medicinal chemical and botanical products	131,5	116,7	109,6	110,4	133,0	112,7	113,5	109,5
Manufacture of rubber and plastics products, and other non-metallic mineral products	129,6	112,6	102,6	104,1	137,5	112,6	107,3	101,7
Manufacture of basic metals and fabricated metal products, except machinery and equipment	112,4	105,6	81,2	125,2	135,3	116,7	90,9	96,1
Manufacture of computer, electronic and optical products	133,3	108,7	102,6	101,8	138,3	109,4	105,2	101,1
Manufacture of electrical equipment	121,6	113,5	84,6	104,4	134,1	122,4	95,6	91,1
Manufacture of machinery and equipment n.e.c.	128,2	110,5	100,0	101,8	127,0	111,4	103,3	100,5
Manufacture of transport equipment, trailers and semitrailers and other	115,5	117,3	101,1	101,2	113,4	118,3	106,3	101,2
Electricity, gas, steam and air-conditioning supply	133,2	129,8	94,4	103,9	134,4	128,3	111,4	96,3

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13.8. Producer price indices, by selected consumer goods

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

	2015	2017	2018	2019	2020
Fresh or cooled cattle meat	123,5	123,2	101,2	98,9	110,8
Fresh or cooled pork meat	116,2	134,8	101,4	101,6	93,7
Fresh or cooled poultry meat	124,3	135,3	99,2	95,4	101,0
Boiled sausages, frankfurters, sausages	120,1	121,2	110,8	106,7	104,3
Sunflower oil and its fractions, refined but not subjected to chemical modification	145,0	102,5	90,2	91,7	185,1
Skimmed milk processed (pasteurized, sterilized, homogenized, clarified, peptized)	122,3	122,4	109,4	108,8	109,2
Butter and milk products pasty	129,5	115,7	110,3	106,8	108,9
Cheese	138,3	118,7	107,7	107,1	101,8
Wheat or wheat-rye flour	118,7	110,3	119,2	90,3	135,9
Macaroni, noodles and similar farinaceous products	129,7	105,6	122,9	108,0	111,8
Refined white beet sugar in solid form	169,7	91,9	92,9	96,2	159,5
Vodka alcohol content of not more 45,4%	142,1	117,4	127,2	104,9	99,2
Bed linen	135,0	104,7	108,5	107,4	100,6
Footwear with uppers of leather, other than sports footwear, footwear incorporating a protective metal toe-cap and miscellaneous special footwear	115,2	109,3	101,2	100,5	101,6
Kitchen furniture	140,2	112,8	109,9	96,0	110,8

13.9. Price indices for agricultural products sold by agricultural enterprises

(percent of the previous year)

	2005	2010	2015	2017	2018	2019	2020
Agricultural production	108,1	130,0	154,5	111,5	109,3	92,4	119,2
Crop output	95,5	139,8	167,2	107,3	109,8	91,2	122,9
Grain crops	91,8	140,3	156,6	109,2	116,2	91,4	121,1
Oil crops	84,6	142,6	182,8	104,2	102,9	88,8	126,6
Sugar beets	130,3	115,4	160,5	98,1	89,5	101,5	114,8
Potatoes	126,8	164,3	79,9	127,1	108,7	144,9	94,6
Vegetables	125,6	143,0	142,7	112,4	104,3	117,0	82,1
Fruit and berries	133,6	118,0	163,7	134,4	72,5	100,4	127,5
Grapes	140,6	138,0	194,2	104,2	89,5	90,0	124,5
Cucurbitaceous crops	202,5	113,1	101,0	170,9	105,2	109,8	126,5
Livestock product	129,5	114,3	141,3	130,7	108,6	96,8	103,0
Livestock animals	134,8	104,2	138,6	140,1	104,4	97,8	99,1
Milk	134,3	155,5	120,8	131,0	104,6	107,5	107,9
Eggs	105,5	116,3	167,5	104,3	127,0	76,7	102,7
Wool	128,0	120,7	190,7	70,0	98,8	100,3	40,1

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13.10. Price indices for construction

(percent)

	2005	2010	2015	2019	2020	2005	2010	2015	2019	2020
	Dec. over Dec. of the previous year					of the previous year				
Total	126,0	118,9	122,7	100,7	109,6	125,6	115,8	127,1	106,0	103,7
Buildings	123,9	116,5	122,9	101,8	106,7	124,5	114,2	125,7	106,5	103,0
residential	122,1	116,6	124,6	103,9	107,4	122,5	113,5	124,2	108,4	104,8
non-residential	125,7	116,5	121,5	99,6	106,1	126,8	115,0	128,2	104,7	101,3
Engineering structures	127,9	122,7	122,0	98,6	114,3	126,5	118,3	129,7	105,1	104,7
transport structures	130,2	125,3	121,9	103,3	103,4	131,2	119,3	130,6	110,5	101,0
pipelines, communication and power lines	129,8	117,5	131,6	97,4	106,4	118,9	119,6	134,2	103,7	100,9
complex industrial structures	127,1	126,5	114,9	98,0	131,6	131,0	117,9	123,0	104,6	113,4
other engineering structures	124,3	115,4	115,4	94,6	108,0	144,0	113,0	131,9	101,6	98,5

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

(percent)

	2005	2010	2015	2019	2020	2005	2010	2015	2019	2020
	IV Q over IV Q of the previous year					of the previous year				
Total	99,6	110,8	114,2	118,7	104,6	99,4	107,2	108,9	121,9	110,8
Mail services	111,0	108,6	120,0	114,3	112,5	104,1	108,6	113,3	133,4	112,5
Phone connection										
local	100,0	100,0	108,4	112,7	109,2	100,0	105,4	108,5	112,7	109,2
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	...	...	...	138,8	98,1	...	...	...	127,7	108,5
Mobile	100,0	114,4	116,4	120,1	101,4	100,0	108,4	108,2	122,2	109,5

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13.12. Tariff indices for shipment of cargo by rail

(percent)

	2005	2010	2015	2019	2020	2005	2010	2015	2019	2020
	IV Q over IV Q of the previous year					of the previous year				
All cargo	139,7	102,1	130,5	114,2	100,0	139,3	102,2	137,7	110,7	103,2
Coal	132,0	100,0	130,0	114,2	100,0	128,2	101,3	132,4	110,7	103,2
Iron ore	119,2	106,3	130,0	114,2	100,0	127,2	104,7	137,7	110,7	103,2
Mineral and construction	164,1	100,0	130,1	114,2	100,0	159,2	102,8	137,7	110,7	103,2
Ferrous metals	150,0	106,3	130,0	114,2	100,0	150,9	104,8	137,7	110,7	103,2
Oil and dark refined products	...	...	130,0	114,2	100,0	...	...	137,7	110,7	103,2
Light refined products	...	...	130,0	114,2	100,0	...	...	137,7	110,7	103,2
Chemical and mineral fertilisers	138,3	100,0	130,0	114,2	100,0	136,0	99,2	137,7	110,7	103,2
Coke	119,2	104,7	130,0	114,2	100,0	130,0	105,5	137,7	110,7	103,2
Chemical ¹	150,0	100,0	130,0	114,2	100,0	148,9	100,2	137,7	110,7	103,2
Grain crops	138,8	100,0	130,0	114,2	100,0	137,7	99,0	142,4	110,7	103,2
Lumber ²	150,0	100,0	130,0	114,2	100,0	148,9	100,9	137,7	110,7	103,2
Cement	150,0	100,0	130,0	114,2	100,0	147,1	100,2	137,7	110,7	103,2

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.

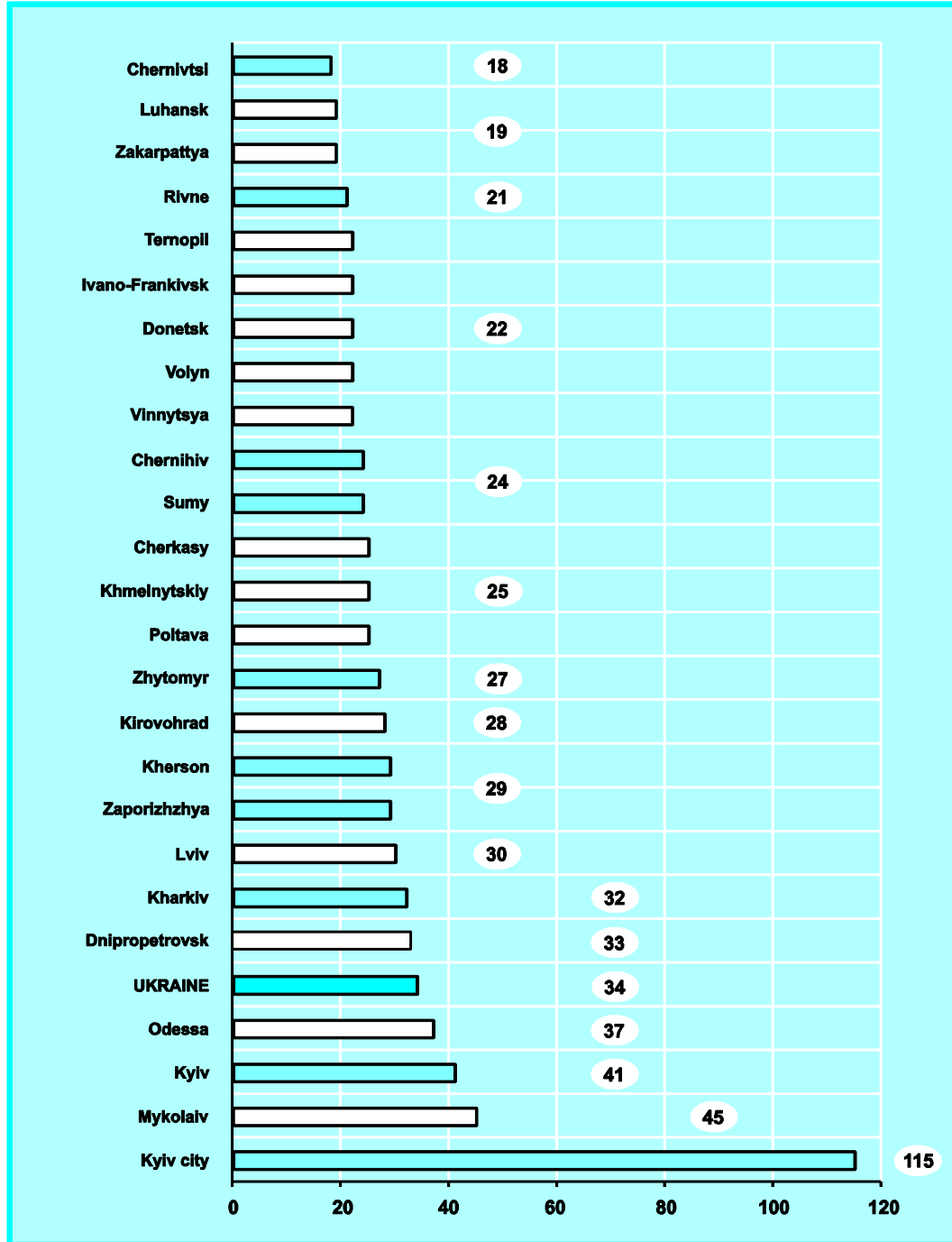
The data given in the section reflect the changes in the number and structure of legal persons by region, and organisational and legal form of business as well as the structure of legal persons by type of economic activity in line with the *Classification of Types of Economic Activity* (State Classifier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

UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE

14.1. Number of legal persons, by region*(as of January 1)*

	2011	2016	2018	2019	2020	2021
Ukraine	1012993	1121347	1235024	1298435	1350627	1395448
Autonomous Republic of Crimea	37095	...	...	...	...	...
oblasts						
Vinnysya	23619	27349	29869	30984	32031	33012
Volyn	16190	18673	20288	21159	21933	22897
Dnipropetrovsk	83229	92438	95678	97495	100768	103645
Donetsk	79834	84073	86808	87995	90315	91822
Zhytomyr	23673	27160	29456	30371	31428	32046
Zakarpattia	18358	19987	21742	22438	23251	24137
Zaporizhzhya	41193	43274	45583	46501	47441	48725
Ivano-Frankivsk	22256	24326	26607	27577	28571	29459
Kyiv	43211	55351	63257	66592	70046	73080
Kirovohrad	19107	20714	22608	23487	24499	25348
Luhansk	37586	39850	40307	40598	40997	41344
Lviv	49432	57750	64462	67578	71104	74475
Mykolayiv	36727	41047	44988	47383	48917	49939
Odesa	60409	68103	76160	79306	83139	86456
Poltava	27904	30147	32009	32775	33410	34608
Rivne	17813	19446	21219	22041	22929	23918
Sumy	19171	21074	22397	23633	24451	25128
Ternopil	17460	19271	20601	21367	22012	22771
Kharkiv	58613	67297	73703	76760	79644	83170
Kherson	22110	24726	27169	28298	29034	29680
Khmelnyskiy	25005	26908	28447	29343	29895	30474
Cherkasy	22696	24739	27070	27909	28902	29848
Chernivtsi	13317	14709	15365	15405	15910	16356
Chernihiv	17566	19786	21239	21675	22397	23062
cities						
Kyiv	165814	233149	277992	309765	327603	340048
Sevastopol	13605	...	...	...	...	...

14.2. Business of legal persons, by region

(as of January 1, 2021; per 1000 population)

UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE

14.3. Number of legal persons, by the organisational and legal forms
(as of January 1)

	2011	2016 ¹	2018 ¹	2019 ¹	2020 ¹	2021 ¹
Total legal persons	1012993	1121347	1235024	1298435	1350627	1395448
including						
farm	45070	43743	45035	45654	46929	47803
private enterprise	223159	201788	200295	199990	200285	200160
public enterprise	4750	4019	3893	3822	3750	3713
state-run enterprise	43	33	32	32	32	32
communal enterprise	13024	11438	11640	12842	13883	14174
subsidiary	15173	12336	12068	11823	11647	11554
foreign enterprise	925	676	653	637	631	627
enterprise association of citizens (religious organisation, trade union)	3680	3288	3276	3268	3283	3331
enterprise founded by consumer partnership	1334	1254	1213	1193	1165	1165
joint-stock company	21157	15571	14710	14310	13902	13748
of which						
public joint-stock partnership	926	3486	2186	1727	1418	1280
private joint-stock partnership	1326	4149	5076	5304	5352	5370
limited liability company	374752	488205	576554	632231	674437	707403
extended liability company	655	1336	1453	1502	1513	1511
full liability company	1483	1361	1344	1322	1315	1306
mixed liability company	419	387	377	370	372	371
cooperative	29275	25763	26975	27524	28071	28596
of which						
production	2149	2321	2248	2222	2206	2195
serve	20507	17439	18654	19055	19547	20046
consumer	659	730	749	753	762	776
agriculture and production	1297	998	996	1005	1009	1000
agriculture and serve	808	949	1073	1207	1270	1279

UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE

Table 14.3 continued

	2011	2016 ¹	2018 ¹	2019 ¹	2020 ¹	2021 ¹
public authorities, organisations (establishment, institution)	104941	102218	99033	96397	93952	95858
of which						
state-run organisation (establishment, institution)	14615	12629	10708	10147	9613	10867
communal (establishment, institution)	62614	61940	61782	60508	59103	58887
private (establishment, institution)	880	955	1060	1111	1205	1331
organisation (establishment, institution) public association (religious organisation, trade union, consumer cooperation, etc)	1396	1602	1536	1517	1497	1493
association	2172	2260	2376	2422	2459	2486
corporation	637	560	558	556	554	555
consortium	62	66	74	73	79	105
concern	238	195	191	188	185	186
union of consumer partnerships	352	322	319	318	317	314
other associations of legal persons	1015	756	753	750	742	743
commodity exchange	575	595	622	622	620	621
credit union	1141	1090	1079	1068	1061	1053
consumer partnership	4488	4337	4420	4425	4389	4376
not state pension fund	80	72	73	73	74	74
political party	15038	15557	15791	15485	15322	15383
non-profit organisation	55113	70321	80461	84608	88882	92470
public union	151	753	1254	1455	1718	1875
religious organisation	20370	23261	25223	26075	26347	26651
trade union, association of trade unions	23081	26321	27601	28026	28486	28713
creative union (other professional organisation)	248	279	311	314	317	317
charitable organisation	10143	15384	17726	18433	19112	19812
condominium	11635	17109	27999	29916	32700	35353
community association population	1188	1415	1552	1572	1614	1649
Separate units of legal persons	38932	38545	49922	53433	54656	54591
including						
branch (other separate unit)	34977	34278	45332	48573	49583	49378
representative office	3955	4267	4590	4860	5073	5213

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

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14.4. Number of legal persons, by type of economic activity
(as of January 1)

	2017	2018	2019	2020	2021
Total legal persons¹	1185071	1235024	1298435	1350627	1395448
Agriculture, forestry and fishing	62293	65185	67906	70903	73078
Mining and quarrying	3272	3431	3635	3787	3942
Manufacturing	59261	63309	67078	70497	73617
Electricity, gas, steam and air-conditioning supply	3155	4015	5318	6087	6538
Water supply, sewerage, waste management and remediation	5889	6240	6595	6862	7106
Construction	53083	57947	63169	67694	70907
Wholesale and retail trade; repair of motor vehicles and motorcycles	187925	210534	242334	259985	272074
Transportation and storage, postal and courier activities	24318	26604	29099	31550	33865
Accommodation and food service activities	13047	14067	15062	16323	17408
Information and communication	23249	25468	28185	30761	33103
Financial and insurance activities	8024	8548	9146	9577	10026
Real estate activities	44951	47932	51476	55611	58294
Professional, scientific and technical activities	53816	57875	62833	66953	70313
Administration and support service activities	64383	70285	75513	81829	87192
Public administration and defence, compulsory social security	41429	39636	38709	37771	39866
Education	38730	39251	40450	41187	41950
Human health and social work activities	24374	25864	27082	28329	29786
Arts, entertainment and recreation	10295	10915	11437	11990	12535
Other services	106617	116499	124040	130829	135945

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).

Capital assets include lands, buildings, constructions and transmitting devices, machines and equipment, vehicles, tools, perennial plants, animals, long-term biological assets 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 for 2015-2018 of value fixed assets on budgetary institutions (main managers of budget funds) 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)*

	2015	2017	2018	2019	2020
Total	7641357	7733905	9610000	9574186	10577278
Agriculture, forestry and fishing	210169	341622	407146	469383	540463
Industry	3842517	2454483	3271669	3455860	4023577
Mining and quarrying	379055	422959	411806	429722	509923
Manufacturing	1656971	1168230	1257573	1150463	1630237
Electricity, gas, steam and air conditioning supply	1736058	781271	1423237	1719131	1786632
Water supply, sewerage, waste management and remediation	70433	82023	179053	156544	96785
Construction	62090	78704	91715	117057	131066
Wholesale and retail trade; repair of motor vehicles and motorcycles	135378	195377	215625	304498	362677
Transport and storage, postal and courier activities	1418312	1280369	1729587	1187183	1159770
Accommodation and food service activities	27985	28786	30964	36209	39140
Information and communication	76546	111757	127085	129537	152297
Financial and insurance activities	51238	66275	68695	96103	99319
Real estate activities	666855	928615	1064119	1113248	1118271
Professional, scientific and technical activities	31347	35319	35681	106765	113824
Administrative and support service activities	407506	1376683	1487471	1535779	1685465
Public administration and defence; compulsory social security	581	264	307	452081	490308
Education	3117	3785	4102	152681	173975
Human health and social work activities	12912	17359	27717	149008	217714
Arts, entertainment and recreation	23581	22306	22466	260239	263810
Other services	2110	2652	3201	8555	5602

CAPITAL ASSETS

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

	2015	2017	2018	2019	2020
Total	216697	237793	306147	437695	376384
Agriculture, forestry and fishing	20821	44841	55791	52205	45402
Industry	55930	83762	112773	199102	134215
Mining and quarrying	12923	20882	31071	47465	34019
Manufacturing	34118	43735	57221	71088	67579
Electricity, gas, steam and air conditioning supply	7467	16816	21018	75909	29800
Water supply, sewerage, waste management and remediation	1423	2329	3463	4640	2817
Construction	2220	5853	8552	7588	12494
Wholesale and retail trade; repair of motor vehicles and motorcycles	14992	20297	30176	42411	46964
Transport and storage, postal and courier activities	10183	26149	32280	29423	24267
Accommodation and food service activities	631	703	1192	1720	1257
Information and communication	8280	10738	12873	14864	12205
Financial and insurance activities	2972	6151	6828	8739	7961
Real estate activities	87717	25572	27273	28753	29640
Professional, scientific and technical activities	973	2512	2963	5356	4571
Administrative and support service activities	4380	6651	8409	8850	7872
Public administration and defence; compulsory social security	23	16	17	23562	24329
Education	55	388	160	4315	3722
Human health and social work activities	414	1440	2627	9395	17111
Arts, entertainment and recreation	311	435	791	1070	4124
Other services	42	120	201	342	250

CAPITAL ASSETS

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

	2015	2017	2018	2019	2020
Total	60,1	55,1	60,6	56,9	58,5
Agriculture, forestry and fishing	38,9	35,7	35,4	38,3	40,2
Industry	76,9	59,1	66,4	59,1	63,9
Mining and quarrying	57,9	47,2	43,1	36,5	47,3
Manufacturing	75,8	64,6	64,3	51,4	63,0
Electricity, gas, steam and air conditioning supply	82,6	57,0	73,7	68,9	69,9
Water supply, sewerage, waste management and remediation	62,0	60,7	77,4	70,3	52,7
Construction	53,0	45,7	44,5	51,4	49,5
Wholesale and retail trade; repair of motor vehicles and motorcycles	44,7	40,4	42,1	40,4	39,6
Transport and storage, postal and courier activities	51,7	47,6	62,9	54,1	48,1
Accommodation and food service activities	35,6	40,4	41,7	37,5	37,5
Information and communication	57,9	61,1	59,9	53,4	56,6
Financial and insurance activities	41,9	41,5	44,8	34,8	37,4
Real estate activities	37,7	55,1	57,5	52,0	47,8
Professional, scientific and technical activities	57,3	54,0	50,3	45,4	54,1
Administrative and support service activities	55,1	81,6	83,0	85,7	86,4
Public administration and defence; compulsory social security	50,1	51,0	54,6	42,1	45,9
Education	45,6	42,4	41,1	45,1	47,3
Human health and social work activities	43,9	45,6	47,4	46,0	52,7
Arts, entertainment and recreation	32,2	36,8	40,1	4,6	5,2
Other services	44,6	43,0	45,9	27,3	47,6

16. ENERGY

Energy balances for 2018/2019 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 use.

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 on 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 show 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 2020, 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	100,5	2,7	76,0	0,7	3,2	1,7
Coal, mln.t	38,0	0,1	98,8	0,0	0,1	0,5
Natural gas, bln.cub.m	29,9	1,1	66,3	0,1	3,4	1,6
Crude oil, of which oil obtained from b(including gas condensate), mln.t	c	c	c	c	c	c
Gasoline, thsd.t	1767,7	5,0	5,9	1,3	2,6	8,7
Gas oil (diesel fuel), thsd.t	5173,9	25,4	19,2	5,5	20,7	5,6
Heavy pet coke, thsd.t	98,2	0,1	79,9	4,4	10,2	5,4
Kerosene, thsd.t	6,4	0,6	25,7	0,5	2,6	70,6
Liquefied propane and butane, thsd.t	1384,2	2,8	11,3	0,6	1,5	2,6
Olive oil and grease; petroleum distillates heavy, thsd.t	218,4	7,3	84,7	1,6	5,1	1,2
Briquettes, ovoids and similar solid fuels manufactured from coal, thsd.t	3,8	1,7	58,1	0,0	3,5	36,7
Non-agglomerated fuel peat, thsd.t conventional moisture content	281,4	0,0	99,3	0,0	0,0	0,7
Firewood for the heating, thsd. densit cub.m	3865,4	6,5	24,7	0,5	0,6	17,2
Fuel briquettes and pellets from wood and other natural materials, thsd.t	471,8	8,0	78,0	0,4	1,6	11,8

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	2017	2018	2019
GDP by the 2017 ¹ purchasing power parity, bln. of international dollars	540,3	481,5	504,4	521,5	538,4
Final energy supply					
Final energy supply, thsd.t of oil equivalent	74004	50831	49911	51408	49359
Energy intensity , t of oil equivalent/thsd. of international dollars by the 2017 purchasing power parity	0,137	0,106	0,099	0,099	0,092
Total primary energy supply					
Total primary energy supply, thsd.t of oil equivalent	132308	90090	89462	93526	89072
Energy intensity , t of oil equivalent/thsd. of international dollars by the 2017 purchasing power parity	0,245	0,187	0,177	0,179	0,165

¹ Gross Domestic Product (GDP) at purchasing power parity (PPP) is published according to the *World Bank*, which since 2019 introduced the publication of data on PPP prices in international dollars in 2017 and revised the relevant data for previous years

16.3. Structure of the consumed fuel in 2020, 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	51,6	4,8	42,6	1,0
Coal	100,0	89,1	0,4	10,6	0,0
Natural gas	100,0	38,9	9,6	48,5	3,0
Crude oil, of which oil obtained from bituminous minerals (including gas condensate)	100,0	c	c	c	c
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	81,0	0,9	17,6	—
Kerosene	100,0	—	12,5	87,5	—
Liquefied propane and butane	100,0	0,3	0,0	99,6	0,0
Olive oil and grease; petroleum distillates, heavy	100,0	c	98,1	1,4	—
Briquettes, ovoids and similar solid fuels manufactured from coal	100,0	44,4	—	55,6	—
Non-agglomerated fuel peat	100,0	92,6	c	c	c
Firewood for heating	100,0	38,2	c	60,6	—
Fuel briquettes and pellets from wood and other natural materials	100,0	83,6	c	11,1	c

¹ See the footnote for Table 16.1

ENERGY

16.4. Usage of selected types of fuel in 2020, 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	38002,6	29939,9	1767,7	5173,9	98,2	1384,1	3865,4	471,8
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...
oblasts								
Vinnitsya	c	691,3	57,2	225,5	3,4	55,3	244,2	35,1
Volyn	14,0	382,6	33,4	157,1	c	18,2	182,7	13,2
Dnipropetrovsk	8711,6	3401,6	162,3	540,7	3,0	135,2	56,7	33,4
Donetsk	13061,4	1984,4	51,0	190,1	c	56,7	36,1	2,8
Zhytomyr	9,3	522,9	44,5	161,5	c	44,5	424,3	7,2
Zakarpattia	13,6	395,7	45,4	114,6	0,2	17,7	294,9	3,3
Zaporizhzhya	4472,0	1000,8	91,1	189,2	c	70,0	18,1	61,7
Ivano-Frankivsk	c	732,1	39,6	135,8	c	22,9	229,1	2,9
Kyiv	c	1767,7	160,0	356,9	c	137,1	255,9	45,4
Kirovohrad	c	340,3	42,3	154,1	c	40,8	115,6	11,4
Luhansk	c	1223,2	20,5	59,1	c	21,4	64,3	3,8
Lviv	c	1236,0	96,1	278,7	—	59,1	174,1	34,5
Mykolayiv	c	983,0	46,0	190,7	c	34,4	29,2	13,9
Odesa	16,5	1957,4	130,1	384,0	7,6	93,2	47,6	4,7
Poltava	13,4	1531,0	69,2	312,6	c	77,9	108,3	5,0
Rivne	c	514,8	33,3	130,0	c	21,0	204,7	13,7
Sumy	c	692,0	44,6	118,2	c	44,1	280,9	7,5
Ternopil	11,3	466,7	28,8	127,6	—	24,8	79,7	7,5
Kharkiv	c	2883,8	105,4	251,1	c	107,7	81,6	97,1
Kherson	21,4	299,2	46,6	116,2	c	38,0	37,6	9,3
Khmelnyskiy	c	615,1	45,7	159,4	3,0	41,2	147,0	7,3
Cherkasy	c	1687,9	68,3	175,0	c	47,6	228,6	14,2
Chernivtsi	12,2	300,8	29,3	67,4	c	9,3	143,9	2,3
Chernihiv	c	618,2	31,3	145,5	c	37,0	297,2	5,5
cities								
Kyiv	c	3711,4	245,5	432,7	c	128,9	83,3	28,9
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 2020, by source for energy supply

	Established electrical capacity, thsd. kW	Electricity supply, mln.kW·h	Established heating capacity, Gcal/h	Release of thermal energy, thsd. Gcal
Total	55138	137197	113384	88954
Thermal power plants	22311	36300	4207	1125
CHP plants	5890	12837	29896	25517
Nuclear power plants	13835	71249	2596	1387
Wind power plants	1110	3271	×	×
Solar power plants	5194	5684	—	—
Hydroelectric power stations ¹	6335	7415	×	×
Heat-generating installations, boiler houses	×	×	70485	52954
Other energy-generated installations	463	441	6200	7971

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		
	2018	2019	2020	2018	2019	2020
Total	90820,4	88795,2	83888,6	60109,4	57860,2	56501,8
Agriculture, forestry and fishing	2538,3	2405,3	2111,4	2186,1	1876,9	1736,7
Agriculture, hunting and related services	2425,5	2291,0	2021,2	1928,8	1629,9	1515,3
Forestry and logging	87,2	77,0	70,1	256,7	246,1	221,2
Fishing	25,6	34,6	20,1	0,7	0,9	0,3
Industry	69000,7	68337,8	65655,8	44179,8	43229,1	43625,9
Mining and quarrying	12247,6	12146,4	12299,5	2265,5	1959,9	1752,6
Mining of coal and lignite	2235,2	2053,1	1963,7	851,6	653,7	587,1
Extraction of crude petroleum and natural gas	535,4	600,8	631,8	496,0	456,8	411,7
Mining of metal ores	8936,2	8869,8	9109,1	668,8	552,1	539,9
Other mining and quarrying	507,9	470,1	478,8	227,9	228,0	167,9
Manufacturing	37839,9	37250,3	35136,6	38189,9	37184,9	38031,9
Manufacture of food products	3961,9	3991,0	4065,9	7971,5	7403,8	7799,0
Manufacture of beverages	481,6	487,4	454,7	605,7	563,9	552,4
Manufacture of tobacco products	75,4	70,6	68,0	48,6	50,7	51,9
Manufacture of textiles	170,3	177,5	160,3	72,4	124,4	55,4
Manufacture of wearing apparel	130,9	132,4	120,0	112,7	46,9	94,6
Manufacture of leather and related products	67,6	64,4	48,0	35,6	32,7	24,8
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	815,4	789,3	798,1	988,3	822,6	967,4

ENERGY

Table 16.6 continued

	Electric energy, mln.kW·h			Thermal power, thsd. Gcal		
	2018	2019	2020	2018	2019	2020
Manufacture of paper and paper products	899,0	808,4	841,7	1511,9	1339,8	1365,4
Printing and reproduction of recorded media	119,8	113,2	77,9	26,4	25,3	71,9
Manufacture of coke and refined petroleum products	968,8	824,9	782,7	3725,7	2931,1	2861,7
Manufacture of chemicals and chemical products	2667,2	3193,3	3782,9	4918,9	6562,3	7422,0
Manufacture of basic pharmaceutical products and pharmaceutical preparations	196,2	200,1	180,7	192,1	174,0	172,8
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	848,8	837,0	795,5	288,0	265,5	174,2
Manufacture of other non-metallic mineral products	2572,4	2503,9	2435,0	733,3	700,7	658,1
Manufacture of basic metals	19278,2	18631,7	16704,9	15244,2	14839,4	14590,7
Manufacture of fabricated metal products, except machinery and equipment	718,7	710,9	630,8	234,1	182,2	170,9
Manufacture of computer, electronic and optical products	126,8	104,5	98,4	67,6	55,6	33,1
Manufacture of electrical equipment	600,7	517,5	443,1	222,7	163,5	138,9
Manufacture of machinery and equipment n.e.c.	1575,8	1350,1	1281,7	459,7	332,8	301,8
Manufacture of motor vehicles, trailers and semi-trailers	193,4	163,5	128,5	61,8	45,3	32,6
Electricity, gas, steam and air conditioning supply	16189,7	15609,8	15144,7	3219,1	3602,9	3462,5
Water supply, sewerage, waste management and remediation	2723,6	3331,3	3075,0	505,2	481,4	378,9
Construction	507,7	496,1	507,0	158,0	142,6	121,7
Wholesale and retail trade; repair of motor vehicles and motorcycles	2092,6	1852,8	1614,7	292,1	238,6	193,7
Transport and storage, postal and courier activities	6924,8	6295,4	5432,0	1424,1	1425,0	1286,2
Information and communication	689,7	658,2	593,4	136,2	125,2	113,0
Financial and insurance activities	213,1	184,0	129,8	155,7	106,7	70,7
Real estate activities	3594,3	3528,0	2195,2	882,5	834,5	594,2
Professional, scientific and technical activities	329,5	329,3	281,8	371,3	273,9	268,8
Public administration and defence, compulsory social security	1858,1	1792,3	1708,9	4595,2	4237,1	3598,6
Education	767,6	754,2	581,5	2670,4	2504,6	2238,7
Health care and social work activities	842,7	841,9	1708,7	2310,6	2234,9	2105,7

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	14556	2341	—	16487
Imports	13806	1333	10155	8459
Exports	-60	-41	-294	—
International bunkering	—	—	-300	—
Change in stocks	-247	1	77	793
General supply of primary energy	28055	3635	9637	25739
Inter-product transfers	—	269	-221	—
Statistical discrepancies	325	2	-1062	-509
Power plants	-12384	—	-132	-212
Heat power plant (HPP)	-2363	—	-156	-3624
Central heating plants	-681	—	-37	-4912
Coke enterprises (blast-furnaces)	-2935	—	—	—
Gas enterprises	-37	—	—	—
Enterprises producing briquettes	-2402	—	—	—
Oil-refining enterprises	—	-4005	2412	—
Petrochemical enterprises	—	—	—	—
Other enterprises engaged into transformation	-118	118	-28	—
Own consumption by energy sector	-640	-5	-43	-947
Losses due to transportation and distribution	-408	-5	—	-592
Final consumption	6411	9	10370	14943
Industry	5101	—	442	2927
Ferrous metallurgy	4314	—	77	1445
Chemical and petrochemical	3	—	2	216
Non-ferrous metallurgy	102	—	26	150
Non-metallic mineral products	549	—	33	430
Transport equipment	—	—	8	22
Engineering	5	—	11	147
Mining (excluding fuel)	98	—	161	297
Food and tobacco	30	—	20	175
Cellulose and paper, printing	—	—	1	22
Wood working and wood products	—	—	10	1
Construction	2	—	82	9
Textile and leather	—	—	4	6
Other types of industry	1	—	8	7
Transport	5	—	7358	1455
Domestic air transportation	—	—	6	—
Road	—	—	7173	23
Rail	5	—	135	—
Pipeline	—	—	5	1431
Domestic boat traffic	—	—	38	—
Other mode of transport	1	—	—	—
Others	774	—	1349	9677
Household sector	260	—	76	8689
Trade and services	507	—	113	866
Agriculture	7	—	1159	122
Fishing	—	—	1	—
Other consumers	—	—	—	—
Non-energy uses	531	9	1221	884
Industrial and energy sectors, transformation sector	531	6	436	884
including raw material for industry	—	—	116	823
On transport	—	—	12	—
In other sectors	—	3	773	—

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	60883
—	—	—	38	3	—	33795
—	—	—	-542	-524	—	-1462
—	—	—	—	—	—	-300
—	—	—	-14	—	—	611
22145	897	197	3209	-522	534	93526
—	—	—	—	—	—	48
—	—	—	—	—	—	-1244
-21991	-897	-197	-3	12293	-130	-23650
-155	—	—	-146	1314	3238	-1892
—	—	—	-776	—	6054	-352
—	—	—	—	—	—	-2935
—	—	—	—	—	—	-37
—	—	—	—	—	—	-2402
—	—	—	—	—	—	-1593
—	—	—	—	—	—	—
—	—	—	-336	—	—	-364
—	—	—	—	-1422	-1115	-4173
—	—	—	—	-1461	-1057	-3523
—	—	—	1949	10202	7523	51408
—	—	—	28	4448	3542	16487
—	—	—	2	1519	1250	8606
—	—	—	—	268	511	1000
—	—	—	—	138	275	691
—	—	—	1	221	73	1307
—	—	—	1	77	53	161
—	—	—	8	351	98	620
—	—	—	1	812	90	1458
—	—	—	6	390	863	1483
—	—	—	—	88	154	264
—	—	—	6	70	99	186
—	—	—	1	83	16	192
—	—	—	1	32	22	65
—	—	—	—	398	39	453
—	—	—	37	598	—	9453
—	—	—	—	—	—	6
—	—	—	37	—	—	7234
—	—	—	—	461	—	601
—	—	—	—	48	—	1485
—	—	—	—	—	—	38
—	—	—	—	88	—	89
—	—	—	1883	5157	3982	22822
—	—	—	1814	3091	2271	16201
—	—	—	33	1731	1491	4742
—	—	—	37	333	219	1877
—	—	—	—	2	—	3
—	—	—	—	—	—	—
—	—	—	—	—	—	2645
—	—	—	—	—	—	1858
—	—	—	—	—	—	939
—	—	—	—	—	—	12
—	—	—	—	—	—	776

ENERGY

16.8. Energy balance

Supply and consumption	Coal and peat	Crude oil	Oil products	Natural gas
Production	14089	2478	—	16318
Imports	13239	1341	10443	9506
Exports	-49	-54	-759	—
International bunkering	—	—	-121	—
Change in stocks	-1561	20	185	-2441
General supply of primary energy	25718	3786	9747	23383
Inter-product transfers	—	-135	142	—
Statistical discrepancies	193	—	-274	-284
Power plants	-11620	—	-119	-309
Heat power plant (HPP)	-2012	—	-37	-3242
Central heating plants	-532	—	-32	-4664
Coke enterprises (blast-furnaces)	-2662	—	—	—
Gas enterprises	-37	—	—	—
Enterprises producing briquettes	-1784	—	—	—
Oil-refining enterprises	—	-3768	1251	—
Petrochemical enterprises	—	—	—	—
Other enterprises engaged into transformation	-133	135	—	—
Own consumption by energy sector	-637	-3	-66	-709
Losses due to transportation and distribution	-536	-6	—	-696
Final consumption	5959	9	10613	13479
Industry	5127	1	521	2717
Ferrous metallurgy	4290	—	85	1410
Chemical and petrochemical	2	—	14	177
Non-ferrous metallurgy	99	—	5	149
Non-metallic mineral products	652	—	56	398
Transport equipment	1	—	7	17
Engineering	4	—	7	106
Mining (excluding fuel)	48	—	209	266
Food and tobacco	28	—	19	156
Cellulose and paper, printing	—	—	1	18
Wood working and wood products	—	—	9	1
Construction	2	—	104	8
Textile and leather	—	—	1	5
Other types of industry	—	1	4	4
Transport	5	—	7868	1536
Domestic air transportation	—	—	182	—
Road	—	—	7522	20
Rail	5	—	27	—
Pipeline	—	—	—	1515
Domestic boat traffic	—	—	135	—
Other mode of transport	—	—	—	1
Others	318	—	1428	7744
Household sector	280	—	27	6831
Trade and services	31	—	143	817
Agriculture	7	—	1256	96
Fishing	—	—	1	—
Other consumers	—	—	—	—
Non-energy uses	509	8	797	1482
Industrial and energy sectors, transformation sector	509	7	390	1482
including raw material for industry	—	—	111	1384
On transport	—	—	11	—
In other sectors	—	1	396	—

ENERGY

for 2019

(thsd.t of oil equivalent)

Nuclear power	Hydroelectric power	Wind, solar energy	Bio fuel and wastes	Electric power	Heat power	Total
21771	560	426	3786	—	667	60095
—	—	—	47	192	—	34768
—	—	—	-429	-540	—	-1830
—	—	—	—	—	—	-121
—	—	—	-43	—	—	-3840
21771	560	426	3362	-348	667	89072
—	—	—	—	—	—	7
—	—	—	—	—	—	-366
-21627	-560	-426	-24	11907	-49	-22826
-144	—	—	-154	1231	2759	-1599
—	—	—	-790	—	5700	-317
—	—	—	—	—	—	-2662
—	—	—	—	—	—	-37
—	—	—	—	—	—	-1784
—	—	—	—	—	—	-2517
—	—	—	—	—	—	—
—	—	—	-307	—	—	-304
—	—	—	—	-1344	-897	-3656
—	—	—	—	-1413	-1001	-3652
—	—	—	2087	10033	7179	49359
—	—	—	74	4178	3509	16126
—	—	—	7	1469	1194	8455
—	—	—	1	322	674	1190
—	—	—	—	133	290	677
—	—	—	15	215	70	1406
—	—	—	1	68	39	132
—	—	—	3	231	73	425
—	—	—	2	803	78	1406
—	—	—	9	391	802	1406
—	—	—	—	79	137	235
—	—	—	31	68	82	192
—	—	—	2	83	14	214
—	—	—	1	32	20	60
—	—	—	—	283	36	328
—	—	—	88	568	—	10064
—	—	—	—	—	—	182
—	—	—	88	—	—	7631
—	—	—	—	460	—	492
—	—	—	—	22	—	1537
—	—	—	—	—	—	135
—	—	—	—	86	—	87
—	—	—	1925	5288	3670	20372
—	—	—	1855	3030	1980	14004
—	—	—	43	1939	1502	4475
—	—	—	28	316	188	1890
—	—	—	—	3	—	4
—	—	—	—	—	—	—
—	—	—	—	—	—	2796
—	—	—	—	—	—	2388
—	—	—	—	—	—	1496
—	—	—	—	—	—	11
—	—	—	—	—	—	397

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).

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), based on the List of Industrial Products for the EU (PRODCOM) and takes into account energy products.

17.1. Industrial production indices, by type of activity

(percent of the previous year)

	2010	2015	2017	2018	2019	2020
Industry	112,0	87,7	101,1	103,0	99,5	95,5
Mining and manufacturing	112,3	87,9	102,4	103,0	100,2	95,0
Mining and quarrying	104,5	89,8	96,5	103,4	98,4	97,0
Mining of coal and lignite	98,4	63,7	83,2	106,1	96,9	86,3
Extraction of crude petroleum and natural gas	92,5	96,9	101,8	102,5	100,3	98,1
Mining of metal ores	113,8	92,5	91,5	104,4	97,1	97,6
Other mining and quarrying	113,8	86,5	110,2	101,2	91,6	103,2
Manufacturing	116,2	86,9	105,2	102,9	100,9	94,1
Production of foodstuffs, beverages and tobacco products	103,7	89,1	106,3	98,7	103,3	99,2
Manufacture of food products	105,5	88,6	107,1	98,5	103,9	99,5
Manufacture of beverages	105,5	90,3	100,8	100,8	99,7	96,7
Manufacture of tobacco products	89,7	108,2	95,3	91,4	87,6	100,2
Textile industry, sewing of clothes, leather, leather articles and other materials	113,0	96,5	109,7	96,6	92,5	93,9

INDUSTRY

Table 17.1 continued

	2010	2015	2017	2018	2019	2020
Manufacture of textiles	120,5	99,7	116,2	99,6	92,2	98,3
Manufacture of wearing apparel	113,9	94,7	107,3	95,6	89,8	89,6
Manufacture of leather and related products	105,5	97,1	108,3	95,4	97,9	97,0
Manufacture of products of wood, manufacture of paper and printing	111,0	77,4	108,8	102,2	94,8	97,1
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	115,1	101,3	105,4	109,2	96,0	91,6
Manufacture of paper and paper products	113,7	70,5	108,4	97,8	92,9	101,7
Printing and reproduction of recorded media	97,0	80,0	117,7	108,3	99,6	90,6
Manufacture of coke and refined petroleum products	102,7	82,7	93,4	106,8	103,1	98,0
Manufacture of chemicals and chemical products	121,5	81,9	102,3	115,3	112,9	105,1
Manufacture of basic pharmaceutical products and pharmaceutical preparations	115,9	91,9	103,6	95,0	103,7	103,0
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	112,9	95,0	105,3	100,8	106,7	100,1
Manufacture of rubber and plastic products	111,5	92,1	106,2	104,3	102,7	98,4
Manufacture of other non-metallic mineral products	113,6	97,0	104,8	98,6	109,4	101,2
Manufacture of basic metals, manufacture of fabricated metal products, except machinery and equipment	115,2	86,4	97,4	100,8	98,6	91,3
Manufacture of basic metals	113,8	86,9	94,5	99,9	97,8	91,5
Manufacture of fabricated metal products, except machinery and equipment	120,8	83,6	118,5	105,5	103,3	90,2
Engineering	141,3	85,2	111,7	112,4	97,8	82,4
Manufacture of computer, electronic and optical products	106,1	71,0	119,6	122,8	91,6	75,2
Manufacture of electrical equipment	160,0	83,0	113,0	105,2	94,7	99,1
Manufacture of machinery and equipment n.e.c.	133,9	91,1	104,4	110,7	102,5	84,0
Manufacture of transport equipment, trailers and semi-trailers and other	152,6	84,4	116,6	115,3	96,8	74,6
Manufacture of motor vehicles, trailers and semi-trailers	125,7	94,4	111,6	101,8	74,3	85,6
Manufacture of other transport equipment	158,2	81,5	118,2	119,3	102,5	72,5
Manufacture of furniture and other manufacturing, repair and installation of machinery and equipment	119,7	83,0	111,9	110,4	103,0	89,6
Manufacture of furniture	121,6	88,7	120,3	101,6	110,3	95,4
Other manufacturing	124,6	82,0	107,2	118,5	98,1	84,8
Electricity, gas, steam and air conditioning supply	109,7	87,0	94,0	103,0	95,6	99,1

INDUSTRY

17.2. Industrial production indices, by region

(percent of the previous year)

	2005	2010	2015	2017	2018	2019	2020
Ukraine	103,1	112,0	87,7	101,1	103,0	99,5	95,5
Autonomous Republic of Crimea	113,8	110,5	...	...	...	...	...
oblasts							
Vinnitsya	113,1	106,5	104,0	108,2	99,2	114,7	94,5
Volyn	121,9	126,7	98,6	105,7	102,2	94,9	95,7
Dnipropetrovsk	107,4	116,1	92,1	100,1	103,0	101,0	87,8
Donetsk	92,1	114,7	65,4	89,1	102,6	100,6	96,6
Zhytomyr	113,1	108,2	110,0	109,5	97,5	94,3	97,6
Zakarpattia	107,7	142,9	79,7	100,3	105,1	86,1	92,7
Zaporizhzhya	103,7	107,8	95,3	106,2	103,6	95,5	92,9
Ivano-Frankivsk	104,8	100,2	89,1	112,0	110,3	95,6	93,4
Kyiv	117,6	108,0	93,0	110,3	102,0	99,7	98,5
Kirovohrad	110,5	113,3	82,9	105,5	102,2	103,6	102,2
Luhansk	101,6	107,1	34,0	69,0	83,0	96,0	93,4
Lviv	93,2	100,9	98,5	106,0	102,4	97,0	105,4
Mykolayiv	107,1	110,3	91,1	101,5	104,0	98,3	102,6
Odesa	99,5	102,9	96,1	112,2	92,4	107,4	100,7
Poltava	97,6	112,6	96,2	98,9	101,5	98,8	99,8
Rivne	113,2	129,6	100,3	109,3	95,6	106,9	97,3
Sumy	113,5	93,5	98,4	101,7	110,3	98,3	95,5
Ternopil	109,0	102,5	92,1	108,5	98,2	98,3	91,7
Kharkiv	112,5	105,8	88,2	106,1	102,9	96,7	95,8
Kherson	88,1	100,5	98,1	103,2	101,1	104,4	104,8
Khmelnyskiy	118,6	104,9	95,7	101,6	95,3	85,5	98,0
Cherkasy	113,6	117,1	90,8	99,1	102,3	101,3	96,8
Chernivtsi	109,6	111,9	98,3	106,7	105,8	100,3	85,9
Chernihiv	111,1	99,8	91,2	96,5	99,2	89,9	93,2
cities							
Kyiv	115,4	104,1	94,6	95,8	98,1	98,0	97,7
Sevastopol	116,8	114,4	...	...	...	...	...

INDUSTRY

17.3. Industrial production indices of foodstuffs, beverages and tobacco products enterprises, by type of activity

(percent of the previous year)

	2010	2015	2017	2018	2019	2020
Production of foodstuffs, beverages and tobacco products	103,7	89,1	106,3	98,7	103,3	99,2
Manufacture of food products	105,5	88,6	107,1	98,5	103,9	99,5
Processing and preserving of meat and production of meat products	107,7	100,2	104,3	99,9	102,0	100,0
Processing and preserving of fish, crustaceans and molluscs	99,1	78,5	109,2	114,1	104,0	97,4
Processing and preserving of fruit and vegetables	90,8	84,7	101,6	109,9	99,4	105,6
Manufacture of vegetable and animal oils and fats	105,4	85,9	117,5	97,9	113,7	104,8
Manufacture of dairy products	98,6	91,7	100,8	101,7	95,1	100,2
Manufacture of grain mill products, starches and starch products	96,9	101,1	98,9	89,2	104,1	93,6
Manufacture of grain mill products	93,5	94,7	95,1	91,2	104,2	87,0
Manufacture of bakery and farinaceous products	103,2	85,3	98,5	95,0	94,0	95,7
Manufacture of bread; manufacture of fresh pastry goods and cakes	100,4	87,4	95,4	93,2	91,1	95,3
Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes	107,7	80,7	105,1	99,2	99,3	96,5
Manufacture of other food products	116,9	77,6	102,2	98,3	93,4	87,1
Manufacture of sugar	143,6	69,1	100,9	89,6	82,8	67,0
Manufacture of cocoa, chocolate and sugar confectionery	104,7	83,2	106,5	107,7	111,3	98,8
Processing of tea and coffee	126,8	93,6	95,1	104,0	97,3	93,2
Manufacture of condiments and seasonings	105,4	84,2	103,3	100,0	101,6	104,4
Manufacture of other food products	120,4	74,7	102,3	104,9	64,1	92,6
Manufacture of beverages	105,5	90,3	100,8	100,8	99,7	96,7
Distilling, rectifying and blending of spirits	106,4	91,8	88,7	93,3	95,6	100,4
Manufacture of wine from grape	119,3	131,4	97,2	88,0	85,6	80,2
Manufacture of soft drinks; production of mineral waters and other bottled waters	104,2	92,8	114,9	111,2	107,7	99,1
Manufacture of tobacco products	89,7	108,2	95,3	91,4	87,6	100,2

INDUSTRY

17.4. Industrial production indices of coke and refined petroleum products enterprises, by type of activity
(percent of the previous year)

	2010	2015	2017	2018	2019	2020
Manufacture of coke and refined petroleum products	102,7	82,7	93,4	106,8	103,1	98,0
Manufacture of coke oven products	106,8	83,7	81,4	104,5	92,9	95,1
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	2017	2018	2019	2020
Manufacture of chemicals and chemical products	121,5	81,9	102,3	115,3	112,9	105,1
Manufacture of basic chemicals, fertilisers and nitrogen compounds, plastics and synthetic rubber in primary forms	129,1	82,0	98,6	123,7	124,6	106,4
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	105,3	88,8	103,4	102,9	115,8	115,8
Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	114,1	77,9	100,3	104,8	89,4	101,9

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	2017	2018	2019	2020
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	112,9	95,0	105,3	100,8	106,7	100,1
Manufacture of rubber and plastic products	111,5	92,1	106,2	104,3	102,7	98,4
Manufacture of rubber products	102,1	79,2	93,9	99,5	107,5	95,3
Manufacture of plastics products	113,8	93,5	107,6	104,8	102,2	98,7
Manufacture of other non-metallic mineral products	113,6	97,0	104,8	98,6	109,4	101,2
Manufacture of glass and glass products	114,1	88,9	107,3	99,2	115,4	97,0
Manufacture of refractory products	135,9	84,8	117,1	96,1	95,1	93,5
Manufacture of clay building materials	106,2	90,4	109,8	99,0	93,7	89,9
Manufacture of other porcelain and ceramic products	111,6	101,1	96,3	105,2	91,0	84,0
Manufacture of cement, lime and plaster	102,0	97,4	101,4	99,2	99,2	107,1
Manufacture of articles of concrete, cement and plaster	109,7	100,0	98,8	97,0	127,7	90,5
Manufacture of abrasive products and non-metallic mineral products	154,2	118,5	117,4	100,7	99,3	143,5

INDUSTRY

17.7. Industrial production indices of engineering, by type of activity

(percent of the previous year)

	2010	2015	2017	2018	2019	2020
Engineering	141,3	85,2	111,7	112,4	97,8	82,4
Manufacture of computer, electronic and optical products	106,1	71,0	119,6	122,8	91,6	75,2
Manufacture of consumer electronics for sound and images acceptance, recording and playing	100,1	35,9	119,1	113,6	97,5	88,2
Manufacture of irradiation, electromedical and electrotherapeutic equipment	97,9	132,4	84,0	90,4	102,8	289,6
Manufacture of electrical equipment	160,0	83,0	113,0	105,2	94,7	99,1
Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	216,0	73,1	120,2	105,5	90,3	94,8
Manufacture of electric motors, generators and transformers	258,9	65,0	122,3	106,6	91,7	74,0
Manufacture of electricity distribution and control apparatus	149,7	95,6	115,6	102,8	87,2	146,7
Manufacture of batteries and accumulators	159,0	79,9	93,4	77,4	97,0	118,1
Manufacture of wiring and wiring devices	119,9	94,7	103,6	106,0	127,6	95,3
Manufacture of electric lighting equipment	130,2	89,3	69,4	91,0	86,3	108,1
Manufacture of domestic appliances	112,7	89,3	113,8	108,5	90,3	117,2
Manufacture of other electrical equipment	125,7	103,5	123,1	111,8	71,0	90,3
Manufacture of machinery and equipment n.e.c.	133,9	91,1	104,4	110,7	102,5	84,0
Manufacture of general-purpose machinery	123,0	93,3	94,1	107,3	94,3	81,0
Manufacture of other general-purpose machinery	155,8	94,9	112,2	108,2	103,2	92,5
Manufacture of agricultural and forestry machinery	215,4	105,3	101,2	85,4	90,2	86,8
Manufacture of metal forming machinery and machine tools	121,1	101,9	105,1	101,8	107,2	66,0
Manufacture of other special-purpose machinery	127,5	77,7	118,7	131,3	115,6	81,9
Manufacture of machinery for metallurgy	140,4	93,2	103,6	99,7	109,5	87,4
Manufacture of machinery for mining, quarrying and construction	95,6	59,0	129,7	102,8	104,1	85,4
Manufacture of machinery for food, beverage and tobacco processing	124,5	108,3	100,7	100,2	94,4	92,4
Manufacture of transport equipment, trailers and semi-trailers and other	152,6	84,4	116,6	115,3	96,8	74,6
Manufacture of motor vehicles, trailers and semi-trailers	125,7	94,4	111,6	101,8	74,3	85,6
Manufacture of motor vehicles	124,2	42,3	162,3	89,7	130,2	81,2
Manufacture of parts and accessories for motor vehicles	127,7	140,5	101,6	106,2	58,5	87,5
Manufacture of other transport equipment	158,2	81,5	118,2	119,3	102,5	72,5
Manufacture of railway locomotives and rolling stock	245,3	46,7	196,9	132,4	104,1	50,6

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17.8. Industrial products sold (goods, services), by type of economic activity

	2010		2015		2019		2020	
	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	3019383,1	100,0	3201913,7	100,0
Mining and quarrying	106055,1	10,0	191599,3	10,8	402232,7	13,3	360227,5	11,2
Manufacturing	716400,6	67,2	1139213,2	64,1	1828327,3	60,6	1854451,2	57,9
Production of foodstuffs, beverages and tobacco products	193055,6	18,1	398023,2	22,4	616166,7	20,4	668061,9	20,9
Textile industry, sewing of clothes, leather, leather articles and other materials	8425,4	0,8	17384,4	1,0	31251,6	1,0	30626,3	0,9
Manufacture of products of wood, manufacture of paper and printing	27128,8	2,6	60146,2	3,4	99497,5	3,3	100020,2	3,1
Manufacture of coke and refined petroleum products	75004,1	7,0	59971,7	3,4	85381,2	2,8	70663,9	2,2
Manufacture of chemicals and chemical products	35503,0	3,3	68010,1	3,8	79769,4	2,7	80784,0	2,5
Manufacture of basic pharmaceutical products and pharmaceutical preparations	7404,3	0,7	20295,8	1,1	37425,4	1,2	42408,0	1,3
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	46629,1	4,4	85969,9	4,8	163897,9	5,4	194787,0	6,1
Manufacture of basic metals, manufacture of fabricated metal products, except machinery and equipment	200635,8	18,8	278502,8	15,7	423533,6	14,0	395589,6	12,4
Engineering	99270,5	9,3	115261,7	6,5	212027,3	7,2	194578,6	6,1
Manufacture of computer, electronic and optical products	7008,4	0,7	8772,9	0,5	16839,9	0,6	15826,2	0,5
Manufacture of electrical equipment	16193,4	1,5	24038,5	1,3	40850,8	1,4	35651,6	1,1
Manufacture of machinery and equipment n.e.c.	31222,4	2,9	41998,0	2,4	71083,1	2,4	70816,9	2,2
Manufacture of transport equipment, trailers and semi-trailers and other	44846,3	4,2	40452,3	2,3	83253,5	2,8	72283,9	2,3
Manufacture of furniture and other manufacturing, repair and installation of machinery and equipment	23344,0	2,2	35647,4	2,0	79376,7	2,6	76931,7	2,4
Electricity, gas, steam and air conditioning supply	221808,4	20,8	424705,2	23,9	749798,5	24,8	946810,8	29,6
Water supply, sewerage, waste management and remediation	21586,4	2,0	21086,0	1,2	39024,6	1,3	40424,2	1,3

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
2017	24,2	0,5	2,2	20,5
2018	26,3	0,5	2,3	20,8
2019	25,5	0,5	2,5	20,5
2020	24,2	0,3	2,4	20,2

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
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
2020	85,2	1549,3	1022,0	2266,2	180,8	153,9

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
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
2020	0,9	3,3	c	c	c	1,0	c

¹ 2000 – washing machines

17.12. Output of industrial products, by type

	2015	2017	2018	2019	2020
Mining and quarrying					
Coal of hard, mln.t	30,2	24,2	26,3	25,5	24,2
Crude oil, including oil obtained from bituminous minerals, mln.t	1,8	1,5	1,6	1,7	1,7
Gas condensate natural, supplied from natural gas field, mln.t	0,7	0,7	0,7	0,7	0,8
Natural gas, liquified or gaseous, bln.cub.m	19,9	20,5	20,8	20,5	20,2
Agglomerated iron concentrates, mln.t	55,2	50,8	53,1	51,7	50,9
Plaster and anhydrite, mln.t	1,3	1,5	1,4	1,4	1,5
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	6,6	6,1	6,9	7,0
Chalk, mln.t	0,1	0,1	0,2	0,3	0,4
Silica sands (quartz sands or industrial sands), mln.t	2,2	2,2	1,9	2,6	2,0
Construction sands such as clayey sands; kaolinic sands; feldspathic sands (excluding silica sands, metal bearing sands), mln.t	10,0	14,3	13,7	14,1	15,5

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Table 17.12 continued

	2015	2017	2018	2019	2020
Granules, chippings and powder of travertine, ecaussine, granite, porphyry, basalt, sandstone and other monumental stone, mln.t	12,7	14,6	14,2	12,7	16,0
Kaolin, not calcined, mln.t	1,8	2,4	2,1	1,8	1,7
Kaolinitic clays (ball and plastic clays), mln.t	0,8	0,1	0,1	0,4	c
Non-agglomerated fuel peat (conventional moisture), mln.t	0,5	0,5	0,5	0,5	0,3
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	2,2	2,1	c
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	58,5	56,3	55,8	41,5
Fresh or chilled carcasses and half-carcasses, of pig meat (including fresh meat packed with salt as a temporary preservative), thsd.t	235,4	228,2	222,7	226,2	225,2
Frozen carcasses, half-carcasses, quarters and cuts, of beef and veal, thsd.t	20,7	18,4	20,2	16,6	11,7
Frozen carcasses and half-carcasses, of pig meat, thsd.t	12,4	6,6	6,7	11,8	14,0
Fresh or chilled whole chickens, thsd.t	325,9	319,8	266,9	249,0	226,7
Fresh or chilled cuts of chicken, thsd.t	361,9	455,8	412,4	391,0	348,9
Frozen whole chickens, thsd.t	145,0	76,8	103,8	128,4	153,5
Liver sausages and similar products and food preparations based thereon (excluding prepared meals and dishes), thsd.t	7,2	6,0	5,6	5,1	5,2
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	247,1	247,8	236,6	236,4
Tomato juice, mln.l	44,1	44,2	47,3	45,4	41,8
Apple juice, mln.l	86,1	74,0	105,9	100,6	63,4
Mixtures of fruit and vegetable juices, mln.l	188,6	186,8	184,3	188,6	171,5
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	69,9	75,8	70,8	65,9
Peas, preserved otherwise than by vinegar or acetic acid, except prepared vegetable dishes, thsd.t	15,9	11,8	11,9	12,5	13,4
Concentrated tomato puree and paste, thsd.t	94,2	112,5	112,4	108,2	125,9
Prepared or preserved sweetcorn (excluding prepared vegetable dishes and sweetcorn dried, frozen or preserved by vinegar or acetic acid), thsd.t	14,0	14,2	16,6	14,6	11,8
Vegetables (excluding potatoes), fruit, nuts and other edible parts of plants, prepared or preserved by vinegar or acetic acid, thsd.t	25,3	29,3	29,7	31,2	30,1
Jams, marmalades, fruit jellies, fruit or nut purees and pastes, being cooked preparations (excluding of citrus fruit, homogenised preparations), thsd.t	46,1	44,4	63,2	57,1	51,9
Crude sunflower-seed oil and its fractions (excluding chemically modified), mln.t	3,7	5,4	5,1	5,8	6,1
Margarine and reduced and low fat spreads (excluding liquid margarine), thsd.t	142,0	140,9	136,6	140,4	120,9

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Table 17.12 continued

	2015	2017	2018	2019	2020
Other edible preparations of fats and oils, including liquid margarine, thsd.t	50,0	88,3	85,2	106,1	111,3
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	464,3	442,7	435,0	433,7
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	478,2	496,7	474,4	493,4
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	47,9	48,6	51,3	47,0
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	47,6	38,1	34,5	35,3
Butter of a fat content by weight ≤ 85%, thsd.t	101,0	108,4	105,0	91,6	87,5
Unripened or uncured cheese (fresh cheese) (including whey cheese and curd), thsd.t	67,8	68,2	72,6	64,1	81,4
Grated, powdered, blue-veined and other non-processed cheese (excluding fresh cheese, whey cheese and curd), thsd.t	96,6	94,3	97,0	86,1	85,2
Processed cheese (excluding grated or powdered), thsd.t	27,0	27,1	28,6	29,5	30,6
Condensed or evaporated milk, sweetened, thsd.t	51,6	42,8	34,9	35,7	37,8
Curdled milk, cream, yogurt and other fermented products, thsd.t	297,2	272,2	274,5	279,9	306,5
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	116,3	125,9	135,8	138,8
Ice cream and other edible ice (including sherbet, lollipops) (excluding mixes and bases for ice cream), mln.l	135,8	151,8	156,3	157,4	141,6
Wheat or meslin flour, mln.t	2,1	2,0	1,7	1,7	1,5
Bread and bakery products, short storage, mln.t	1,2	1,1	1,0	0,9	0,8
Sweet biscuits (including sandwich biscuits; excluding those completely or partially coated or covered with chocolate or other preparations containing cocoa), thsd.t	167,0	176,9	170,7	158,9	155,8
Waffles and wafers (including salted) (excluding those completely or partially coated or covered with chocolate or other preparations containing cocoa), thsd.t	47,9	51,0	51,2	52,6	56,0
Uncooked pasta (excluding containing eggs, stuffed or otherwise prepared), thsd.t	86,8	88,2	79,3	73,8	72,9
Refined white beet sugar in solid form, mln.t	1,5	2,0	1,8	1,5	1,0
Chocolate blocks, slabs or bars (excluding filled, with added cereal; fruit or nuts, chocolate biscuits), thsd.t	16,5	18,6	22,2	24,7	24,0
Chocolates (excluding those containing alcohol, in blocks, slabs or bars), thsd.t	59,5	53,3	53,4	66,6	70,7
Sugar confectionery and substitutes therefor made from sugar substitution products, containing cocoa (including chocolate nougat) (excluding white chocolate), thsd.t	77,2	70,4	64,4	47,0	28,4
Gums, fruit jellies and fruit pastes in the form of sugar confectionery (excluding chewing gum), thsd.t	39,0	41,0	44,2	47,7	46,5
Boiled sweets, thsd.t	27,3	23,0	21,6	29,3	c

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Table 17.12 continued					
	2015	2017	2018	2019	2020
Toffees, caramels and similar sweets, thsd.t	83,7	78,2	75,1	77,6	c
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	24,8	35,4	30,5	c
Brands (including cognac of Ukraine), mln.l alc. 100%	11,9	9,7	9,0	9,3	7,6
Vodka of an alcoholic strength by volume of ≤ 45,4%, mln.l alc. 100%	74,0	54,4	50,9	47,7	50,7
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	7,5	7,9	8,7	9,8
Sparkling wine from fresh grapes (excluding champagne; alcohol duty), mln.dal	4,8	3,7	3,4	2,7	2,3
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	6,7	7,2	6,7	c
Beer made from malt (excluding nonalcoholic beer, beer containing ≤ 0,5% by volume of alcohol, alcohol duty), mln.dal	194,8	179,5	181,9	181,6	180,8
Natural mineral spring waters, mln.dal	36,0	45,4	54,9	63,4	59,3
Fizzy natural mineral waters, mln.dal	72,8	73,9	85,5	89,7	85,5
Waters, with added sugar, other sweetening matter or flavoured, i.e. soft drinks (including mineral and aerated), mln.dal	100,4	131,7	144,1	154,0	153,9
Cigarettes containing tobacco or mixtures of tobacco and tobacco substitutes (excluding tobacco duty), bln.pcs	92,9	92,2	84,1	68,5	65,1
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	3,8	4,4	4,0	c
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	67,2	62,7	67,7	75,0
Woven fabrics of synthetic filament yarns (excluding those obtained from high tenacity yarn or strip and the like), mln.sq.m	c	12,3	12,3	12,3	c
Pile fabrics, terry fabrics, knitted or crocheted, thsd.t	2,2	2,6	1,2	1,0	0,5
Knitted or crocheted fabrics (excluding pile fabrics), thsd.t	5,3	6,8	8,2	7,5	7,9
Bed linen of knitted or crocheted textiles, thsd.t	5,8	7,7	7,6	6,8	c
Woven carpets and other woven textile coverings (excluding tufted or flocked), mln.sq.m	2,4	4,2	5,1	5,7	c
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	6,2	5,9	6,5	5,5
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	13,8	12,4	14,1	13,0
Women's or girls' jackets and blazers, of knitted or crocheted textiles, thsd.pcs	380,9	373,7	410,7	356,3	487,8
Women's or girls' dresses, of knitted or crocheted textiles, mln.pcs	1,3	1,4	1,4	1,2	1,2
Men's or boys' coats, short coats, raincoats, cloaks, etc, thsd.pcs	318,1	356,9	334,0	376,3	269,6
Men's or boys' suits and ensembles of textile fabrics, not knitted or crocheted, thsd.pcs	346,5	400,3	419,0	255,2	175,3
Men's or boys' jackets and blazers, of textile fabrics, not knitted or crocheted, thsd.pcs	865,3	811,2	712,2	735,3	487,1
Women's or girls' overcoats, raincoats, etc, thsd.pcs	924,5	860,0	809,4	688,3	516,3

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<i>Table 17.12 continued</i>					
	2015	2017	2018	2019	2020
Women's or girls' jackets and blazers of textile fabrics, not knitted or crocheted, mln.pcs	1,5	1,4	1,4	1,1	1,0
Women's or girls' dresses, not knitted or crocheted, mln.pcs	1,2	1,7	1,5	1,8	1,3
Women's or girls' skirts and divided skirts, not knitted or crocheted, thsd.pcs	1011,4	739,3	775,3	604,8	320,0
Women's or girls' briefs and panties, of knitted or crocheted textiles (including boxer shorts), mln.pcs	3,9	4,3	4,1	4,6	2,8
Men's or boys' shirts, not knitted or crocheted, mln.pcs	1,3	1,5	1,3	1,2	0,7
Women's or girls' blouses, shirts and shirt-blouses, of textile fabric not knitted or crocheted, mln.pcs	1,2	1,7	1,7	1,4	1,1
Brassieres, mln.pcs	4,1	4,2	4,3	3,4	2,2
T-shirts, singlets and vests, knitted or crocheted, mln.pcs	5,0	6,1	6,5	5,0	5,3
Women's or girls' swimwear, of knitted or crocheted textiles, thsd.pcs	637,3	647,8	819,8	801,3	562,1
Panty hose and tights, of knitted or crocheted synthetic fibres, measuring per single yarn < 67 decitex, mln.pcs	31,9	27,7	26,8	21,3	c
Knitted or crocheted hosiery and footwear (including socks), mln. pairs	48,2	52,0	57,4	54,7	52,9
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	190,1	177,3	173,6	77,1
Lightweight fine knit roll, polo or turtle neck jumpers and pullovers, of cotton, thsd.pcs	172,5	168,1	116,6	99,4	82,5
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	242,3	189,3	203,1	c
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	1,8	2,0	1,6	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	207,5	618,5	1099,4	574,9
Waterproof footwear, with uppers in rubber or plastics (excluding incorporating a protective metal toecap), mln. pairs	1,2	1,8	1,7	1,3	1,3
Town footwear with rubber or plastic uppers, mln. pairs	5,1	5,7	5,8	5,5	4,7
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	0,8	0,7	0,6	0,4
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	0,9	1,2	0,8	0,5
Slippers and other indoor footwear (including dancing and bedroom slippers, mules) with uppers of textile materials, mln. pairs	7,8	7,7	6,4	10,7	7,0
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	3,7	3,6	3,3	c
Wooden footwear, miscellaneous special footwear and other footwear n.e.c., mln. pairs	1,6	1,7	1,5	1,4	c

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Table 17.12 continued

	2015	2017	2018	2019	2020
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	273,9	341,6	315,6	296,3
Pine wood (<i>Pinus sylvestris</i> L.) sawn or chipped lengthwise, sliced or peeled, of a thickness > 6 mm, thsd.cub.m	775,7	1412,0	1995,9	1979,2	2025,7
Coniferous wood sawn or chipped lengthwise, sliced or peeled, of a thickness of > 6 mm (excl. spruce " <i>Picea abies</i> Karst.", silver fir " <i>Abies alba</i> Mill." and pine " <i>Pinus sylvestris</i> L."), thsd.cub.m	397,6	409,2	367,2	303,9	269,4
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	479,9	477,9	437,2	373,6
Coniferous wood continuously shaped (including strips and friezes for parquet flooring, not assembled), thsd.t	14,1	18,8	30,6	34,0	39,2
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	64,3	100,8	107,0	99,8
Particle boards and similar boards of wood, unworked or sanded, mln.cub.m	2,2	2,5	2,6	2,3	2,2
Other plywood, veneered panels and similar laminated wood, of other wood, thsd.cub.m	185,8	180,1	190,0	176,8	180,6
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	3,8	2,2	0,4	c
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	204,8	212,9	216,3	207,6
Assembled parquet panels of wood for mosaic floors, thsd.sq.m	447,5	418,6	362,6	309,8	340,9
Windows, french windows and their frames, of wood, mln.pcs	1,0	1,1	1,0	1,1	c
Doors and their frames and thresholds, of wood, mln.pcs	1,1	1,0	1,0	1,2	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	1,3	1,4	c	c
Paper stock for household: others, thsd.t	118,5	120,2	126,7	130,9	c
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	321,2	325,5	291,9	292,3
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	113,8	119,6	93,1	c
Corrugated paper and paperboard in rolls or sheets, thsd.t	148,9	159,5	149,0	151,8	141,5
Cartons, boxes and cases, of corrugated paper or paperboard, thsd.t	395,2	452,4	476,2	495,8	502,9
Folding cartons, boxes and cases, of non-corrugated paper or paperboard, thsd.t	78,5	123,6	129,0	101,1	83,1
Toilet paper (in rolls of a width of ≤ 36 cm or cut to size or shape), thsd.t	102,3	105,7	104,5	110,5	115,5

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Table 17.12 continued

	2015	2017	2018	2019	2020
Exercise-books, of paper or paperboard, thsd.t	10,1	10,3	8,3	7,9	6,1
Wallpaper and similar wall coverings; window transparencies of paper, thsd.t	56,9	64,9	53,5	40,6	40,3
Printed newspapers, journals and periodicals, appearing at least four times a week, thsd.t	6,5	4,4	4,7	3,3	c
Printed newspapers, journals and periodicals, appearing less than four times a week, thsd.t	55,1	104,8	113,4	92,9	76,0
Printed books, brochures, leaflets and similar printed matter, in single sheets, thsd.t	5,0	5,9	6,8	9,6	7,9
Production of coke, refined petroleum products					
Coke-oven coke of coking coal; gas coke, mln.t	11,6	10,1	10,8	10,1	9,5
Pitches coal, lignite or peat; other mineral resin, thsd.t	498,2	446,9	475,6	449,2	449,3
Briquettes, ovoids and similar solid fuels manufactured, from peat, thsd.t	247,9	281,3	288,2	259,7	162,1
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	0,4	0,1	0,1
Petroleum oils and oils; petroleum distillates, heavy, thsd.t	73,5	111,7	147,1	150,0	108,4
Liquefied propane and butane, thsd.t	340,5	311,5	396,8	309,9	305,5
Bitumen (including shale), thsd.t	24,2	36,5	169,7	23,1	51,8
Chemical and petrochemical industry					
Other synthetic organic colouring matters, thsd.t	5,1	8,2	9,3	9,8	c
Hydrogen chloride (hydrochloric acid), thsd.t HCl	22,6	18,3	20,0	18,2	c
Sulphuric acid; oleum, mln.t H ₂ SO ₄	0,5	0,5	0,7	0,7	0,7
Benzene, neat content percentage by mass ≥ 95%, thsd.t	42,1	75,5	108,6	92,9	114,4
Undenatured ethyl alcohol of an alcoholic strength by volume ≥ 80% (important: excluding alcohol duty), mln.dal	10,9	9,6	8,1	6,9	9,4
Anhydrous ammonia, mln.t N	2,2	1,0	0,8	1,5	2,3
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	0,6	0,4	0,8	1,2
Ammonium nitrate (excluding in tablets or similar forms or in packages of a weight of ≤ 10 kg), mln.t N	0,4	0,4	0,4	0,5	0,5
Plasticised polyvinyl chloride mixed with any other substance, in primary forms, thsd.t	40,5	60,6	61,1	58,4	56,6
Urea resins and thiourea resins, in primary forms, thsd.t	129,4	100,8	96,7	84,4	66,8
Polyurethanes, in primary forms, thsd.t	17,3	19,5	21,4	17,6	13,3
Paints and varnishes, based on acrylic or vinyl polymers dispersed or dissolved in an aqueous medium (including enamels and lacquers), thsd.t	60,7	76,0	75,9	78,1	79,7
Other paints, varnishes dispersed or dissolved in an aqueous medium, thsd.t	18,5	19,3	18,4	27,3	20,4
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	55,5	49,3	48,3	43,7
Soap and organic surface-active products in bars, etc, n.e.c., thsd.t	10,7	12,8	11,9	9,6	10,2

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Table 17.12 continued

	2015	2017	2018	2019	2020
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	193,8	200,5	185,5	212,8
Polishes, creams and similar preparations, for the aintenance of wooden furniture, floors or other woodwork (excluding artificial and prepared waxes), thsd.t	0,5	0,4	0,4	0,4	c
Polishes and similar preparations, for coachwork (excluding artificial and prepared waxes, metal polishes), thsd.t	0,4	1,7	1,8	1,8	c
Perfumes, thsd.dal	43,7	5,9	5,5	5,0	c
Toilet waters, thsd.dal	49,5	27,6	38,1	35,7	36,2
Manicure or pedicure preparations, thsd.t	1,3	1,3	1,1	0,9	0,7
Powders, whether or not compressed, for cosmetic use (including talcum powder), t	26,4	457,1	452,5	578,8	c
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	6,4	7,4	8,2	7,0
Shampoos, mln.dal	1,5	1,2	1,1	1,2	1,1
Preparations for permanent waving or straightening of hair, t	59,0	50,0	84,0	124,9	150,6
Hair lacquers, t	201,0	167,0	137,0	230,0	c
Hair preparations (excluding shampoos, permanent waving and hair straightening preparations, lacquers), thsd.t	6,0	5,8	5,3	5,3	5,2
Preparations for oral or dental hygiene (including denture fixative pastes and powders), dental floss, t	67,0	103,6	106,4	140,9	148,6
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	590,5	516,6	396,6	486,8
Soap and organic surface-active products in bars, etc, for toilet use, thsd.t	26,9	24,6	21,2	13,2	13,4
Organic surface-active products and preparations for washing the skin; whether or not containing soap, p.r.s., thsd.t	10,5	13,2	14,8	13,8	15,0
Other personal preparations (perfumeries, toilet, depilatories), thsd.t	14,0	14,5	24,1	31,5	c
Polypropylene filament yarn, n.p.r.s. (excluding sewing thread), thsd.t	3,5	4,0	4,5	4,6	4,4
Polypropylene monofilament of ≥ 67 decitex and with a cross-sectional dimension of ≤ 1 mm (excluding elastomers), thsd.t	7,8	9,9	8,5	8,4	8,0
Manufacture of basic pharmaceutical products and pharmaceutical preparations					
Medicaments of other antibiotics, p.r.s., t	1217,6	1156,8	1230,7	1107,6	1680,1
Medicaments containing corticosteroid hormones, their derivatives and structural analogues, put up in measured doses or for retail sale, t	84,2	115,9	127,8	112,0	114,0
Other medicaments of mixed or unmixed products, p.r.s., n.e.c., thsd.t	41,3	46,9	43,5	45,8	45,5
Preparations for X-ray contrast examinations, diagnostic reagents for administration to patients, t	52,9	58,9	78,2	94,3	c

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Table 17.12 continued

	2015	2017	2018	2019	2020
Manufacture of rubber and plastics products					
Agrarian tyres; other new pneumatic tyres, of rubber, thsd.pcs	133,9	200,2	c	145,7	143,0
Rubber compounded with carbon black or silica, unvulcanised, thsd.t	2,3	3,5	5,0	5,4	6,7
Other compounded rubber, unvulcanised, in primary forms or in plates, sheets or strip, thsd.t	2,1	2,4	2,9	3,7	2,4
Rubber hose reinforced with textiles, thsd.t	1,1	1,8	4,3	4,5	2,6
Rubber hose assemblies, thsd.t	0,3	0,6	0,6	0,5	0,6
Rubber conveyor belts, thsd.t	2,6	c	2,0	2,4	c
Other plates, sheets, film, foil and strip, of polymers of ethylene, not reinforced, thickness ≤ 0,125 mm, thsd.t	73,8	81,1	82,4	85,7	82,7
Other plates, sheets, film, foil and strip, of polymers of ethylene, not reinforced, etc, thickness > 0,125 mm, thsd.t	19,3	18,0	18,9	27,9	25,9
Other plates, sheets, film, foil and strip, of biaxially orientated polymers of propylene, thickness ≤ 0,10 mm, thsd.t	20,6	18,0	12,5	10,4	8,3
Other plates, sheets, film, foil and strip, of polymers of styrene, not reinforced, etc, thsd.t	22,5	23,5	24,9	23,1	27,1
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	32,1	33,1	31,7	c
Sacks and bags (including cones), of polymers of ethylene (excluding of synthetic fibres), thsd.t	47,5	54,9	61,5	74,6	73,5
Plastic doors, windows and their frames and thresholds for doors, mln.pcs	2,3	3,3	3,2	3,1	3,2
Tableware and kitchenware of plastic, thsd.t	7,3	8,0	8,4	8,8	9,4
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	7,8	8,7	11,4	10,5
Production of other non-metallic mineral products					
Multiple-walled insulating units of glass, mln.sq.m	2,1	2,7	2,6	2,8	2,9
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	216,5	172,9	219,8	279,3
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	1,5	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	63,7	61,2	58,1	c
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	162,5	162,0	163,9	c
Ceramic slabs and tiles, mln.sq.m	44,7	52,3	54,5	49,9	46,6

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Table 17.12 continued

	2015	2017	2018	2019	2020
Non-refractory clay building bricks (excluding of siliceous fossil meals or earths), mln.cub.m	2,2	2,1	2,0	1,9	1,7
Porcelain or china tableware and kitchenware (excluding electro-thermic apparatus, coffee or spice mills with metal working parts), thsd.t	1,0	1,5	1,3	0,7	c
Portland cement, mln.t	c	9,0	8,9	9,1	9,6
Other hydraulic cements, mln.t	c	0,3	0,3	0,1	c
Quicklime, mln.t	2,5	2,2	2,3	2,2	2,3
Slaked lime, mln.t	0,2	0,3	0,3	0,2	0,1
Blocks and bricks of cement, artificial stone or concrete meant for building, mln.t	3,4	3,7	3,6	3,4	3,4
Elements (cement, concrete or artificial stone) of prefabricated structures for construction, mln.t	4,4	4,8	4,6	4,2	3,9
Ready-mixed concrete, mln.t	12,5	18,5	18,9	19,0	18,7
Factory made mortars (except concrete solutions ready for use), mln.t	1,6	2,2	2,4	2,4	3,6
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	163,3	147,6	114,8	105,6
Articles of asphalt or of similar materials, e.g. petroleum bitumen or coal tar pitch, in rolls, mln.sq.m	27,8	39,1	38,3	21,0	25,7
Slag wool, rock wool and similar mineral wools and mixtures thereof, in bulk, sheets or rolls, thsd.t	177,0	182,4	190,7	235,9	c
Manufacture of basic metals					
Pig iron and spiegeleisen in pigs, blocks or other primary forms, mln.t	21,9	19,8	20,5	20,1	20,2
Ferro-silico-manganese, thsd.t	750,2	875,0	912,3	858,7	c
Ferro-nickel, thsd.t	95,2	74,5	79,5	79,3	c
Flat semi-finished products (of non-alloy steel), mln.t	8,3	9,1	9,3	9,4	10,1
Ingots, other primary forms and long semi-finished products for seamless tubes (of non-alloy steel), mln.t	7,9	7,2	6,7	6,6	c
Other ingots, primary forms and long semi-finished products including blanks (of non-alloy steel), mln.t	8,0	5,0	5,3	4,9	5,0
Flat semi-finished products (slabs) (of stainless steel), thsd.t	0,5	0,7	0,5	0,3	c
Ingots, other primary forms and long semi-finished products for seamless tubes (of stainless steel), thsd.t	100,8	99,2	103,3	91,4	c
Other ingots, primary forms and long semi-finished products (of stainless steel), thsd.t	20,2	18,8	18,2	18,4	c
Flat semi-finished products (of alloy steel other than of stainless steel), mln.t	1,0	1,1	1,2	1,3	c
Ingots, other primary forms and long semi-finished products for seamless tubes (of alloy steel other than of stainless steel), mln.t	3,6	4,0	3,7	3,4	1,0
Other ingots, primary forms and long semi-finished products (of alloy steel other than of stainless steel), mln.t	0,4	0,6	0,9	0,9	1,6
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	176,0	222,0	151,7	c
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	329,3	380,3	387,7	c

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Table 17.12 continued

	2015	2017	2018	2019	2020
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	156,8	158,8	140,2	164,1
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	222,4	181,9	208,0	224,0
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	173,2	192,3	151,8	135,3
Cold-formed sections, obtained from flat products, of non-alloy steel, coated with zinc, thsd.t	101,1	125,6	104,2	98,2	105,4
Cold-profiled (ribbed) sheets, of non-alloy steel, thsd.t	117,6	165,0	164,0	156,9	172,8
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	203,9	191,9	203,4	213,0
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	55,8	31,0	30,2	31,5
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	42,0	56,0	62,9	c
Prefabricated buildings, of iron or steel, thsd.t	45,4	73,8	69,2	71,2	61,0
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	69,5	86,1	86,3	84,2
Other structures principally of sheet: other, thsd.t	64,4	103,3	122,4	152,0	136,0
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	143,4	164,7	187,9	87,4
Central heating radiators and parts thereof without electric heating produced from ferrous metals, thsd.t	2,5	8,2	16,5	16,0	c
Boilers for central heating other than those of HS 8402, thsd.pcs	249,2	187,8	170,7	153,1	98,7
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	9,5	8,3	8,8	7,3
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	10,5	15,1	12,5	12,7
Super-heated water boilers (excluding central heating hot water boilers capable of producing low pressure steam), thsd.pcs	3,5	1,5	c	2,3	c

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Table 17.12 continued

	2015	2017	2018	2019	2020
Iron or steel hexagon bolts with heads, with a tensile strength < 800 MPa (excluding of stainless steel), thsd.t	9,6	8,9	8,1	5,4	c
Iron or steel hexagon bolts with heads, with a tensile strength ≥ 800 MPa (excluding of stainless steel), thsd.t	2,5	5,1	4,3	3,0	c
Iron or steel nuts (including self-locking nuts), thsd.t	8,0	8,0	5,7	3,0	c
Threaded articles, n.e.c., of iron or steel, thsd.t	1,3	3,9	5,5	5,3	4,3
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	13,3	13,8	13,6	c
Engineering					
Photosensitive semiconductor devices; solar cells, photo-diodes, photo-transistors, etc, mln.pcs	0,9	0,01	0,01	0,2	c
Multilayer printed circuits, consisting only of conductor elements and contacts, mln.pcs	1,0	0,6	0,5	0,3	c
Printed circuits consisting only of conductor elements and contacts (excl. multiple printed circuits), mln.pcs	1,2	1,3	1,0	0,6	c
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	3,1	3,1	3,5	3,0
Machines for the reception, conversion and transmission or regeneration of voice, images or other data, (including switching and routing apparatus), thsd.pcs	31,9	238,4	180,6	123,1	140,4
Thermometers, liquid-filled, for direct reading, not combined with other instruments (excluding clinical or veterinary thermometers), mln.pcs	2,6	3,6	2,8	2,6	c
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	2,1	1,7	c
Other non-electronic instruments and apparatus for physical or chemical analyses, n.e.c., thsd.pcs	279,8	268,7	282,8	179,9	c
Gas supply or production meters (including calibrated), thsd.pcs	806,6	615,1	367,4	445,9	394,3
Liquid supply or production meters (including calibrated) (excluding pumps), mln.pcs	1,6	1,5	1,1	0,9	0,8
Electricity meters (including calibrating (excluding voltmeters, ammeters, wattmeters, etc), mln.pcs	0,8	0,9	0,9	1,0	1,0
Automatic regulating or controlling instruments and apparatus, hydraulic or pneumatic, thsd.pcs	7,8	25,6	3,4	7,1	5,1
Instruments and apparatus, regulating or controlling, n.e.c., thsd.pcs	61,1	93,7	109,0	116,1	115,2
DC motors and generators of an output > 37,5 W but ≤ 750 W (excluding starter motors for internal combustion engines), thsd.pcs	10,5	11,6	10,4	0,6	6,1
DC motors and DC generators of an output > 750 W but ≤ 75 kW (excluding starter motors for internal combustion engines), thsd.pcs	4,9	2,0	2,7	0,5	0,4
Single-phase AC motors of an output ≤ 750 W, thsd.pcs	64,2	63,4	54,0	36,7	38,0
Multi-phase AC motors of an output ≤ 750 W, thsd.pcs	127,0	123,2	96,7	54,4	c
Multi-phase AC motors of an output > 0,75 kW but ≤ 7,5 kW, thsd.pcs	27,3	27,2	17,0	12,9	c

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Table 17.12 continued

	2015	2017	2018	2019	2020
Other transformers, n.e.c., having a power handling capacity ≤ 1 kVA, mln.pcs	6,9	11,0	13,3	11,3	c
Other apparatus for switching... electrical circuits > 1000 V, thsd.pcs	20,4	61,3	61,8	38,3	28,5
Fuses for a voltage ≤ 1 kV and for a current > 63 A, mln.pcs	1,2	0,2	0,2	0,3	c
Automatic circuit breakers for a voltage ≤ 1 kV and for a current ≤ 63 A, mln.pcs	1,2	3,2	2,1	2,5	2,4
Relays for a voltage > 60 V but ≤ 1 kV, mln.pcs	3,2	4,0	5,0	4,5	c
Insulated winding wire, thsd.t	5,0	10,6	9,1	4,3	10,3
Other electric conductors, for a voltage ≤ 1000 V, not fitted with connectors, thsd.t	108,0	111,7	143,0	156,2	152,7
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	9,0	13,2	19,3	17,4
Electrical apparatus for switching electrical circuits for a voltage ≤ 1 kV (including push-button and rotary switches) (excluding relays), mln.pcs	17,2	15,1	15,9	16,0	15,0
Lamp-holders for a voltage ≤ 1 kV, mln.pcs	8,9	9,9	6,3	4,0	c
Plugs and sockets for a voltage ≤ 1 kV (excluding for coaxial cables, for printed circuits), mln.pcs	6,7	5,4	4,6	4,1	3,5
Prefabricated elements for electrical circuits for a voltage ≤ 1 kV, mln.pcs	10,3	17,1	18,8	17,4	c
Connections and contact elements for wires and cables for a voltage ≤ 1 kV, mln.pcs	5,3	5,5	10,0	13,6	9,3
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	70,7	c	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	1,3	1,3	1,3	1,1
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	751,2	749,3	862,2	716,3
Washing machines and machines for drying clothes, everyday, thsd.pcs	270,3	326,3	340,9	300,2	c
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	c	c	c
Electric water heaters and immersion heaters (excluding instantaneous water heaters), mln.pcs	1,1	1,4	1,2	1,0	0,9
Electric radiators, convection heaters and heaters or fires with built-in fans, thsd.pcs	703,8	469,7	622,9	609,1	c
Other electric space heaters, thsd.pcs	55,8	138,7	231,3	236,5	182,8
Electric cooking plates, boiling rings and hobs for domestic use, thsd.pcs	213,7	211,4	246,1	176,6	104,4
Appliance cords, extension cords, and other electrical cord sets, for a voltage ≤ 1 kV, with insulated wire and connectors, thsd.t	25,5	14,1	0,3	0,3	0,8

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Table 17.12 continued

	2015	2017	2018	2019	2020
Hydraulic cylinders, thsd.pcs	82,3	157,4	168,4	189,0	187,3
Hydraulic pumps (gear), thsd.pcs	632,8	672,9	667,1	578,8	c
Hydraulic systems, with cylinders as actuators, thsd.pcs	133,4	144,7	152,0	134,7	c
Submersible motor, single-stage rotodynamic drainage and sewage pumps, thsd.pcs	68,4	65,2	52,3	41,6	c
Submersible motor, multi-stage rotodynamic pumps, thsd.pcs	114,5	121,7	158,7	120,4	c
Ovens and electric ovens for confectioneries, pcs	156	92	82	45	c
Bridge cranes on fixed bearings, pcs	78	64	112	72	69
Mobile cranes, gantry cranes and bridge cranes, pcs	59	107	94	119	72
Bucket type continuous-action elevators and conveyors for goods or materials, pcs	625	1134	738	675	585
Belt type continuous-action elevators and conveyors for goods or materials, pcs	780	1185	1512	1371	3999
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	2,6	2,6	1,8	1,7
Refrigerated show-cases and counters incorporating a refrigerating unit or evaporator (excluding for frozen food storage), thsd.pcs	6,8	2,8	20,6	61,6	c
Other refrigerating or freezing equipment, thsd.pcs	83,5	127,6	129,4	81,7	93,7
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	168,9	203,8	183,0	c
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	2,4	1,4	0,9
Ploughs, thsd.pcs	3,7	2,9	3,0	2,5	2,7
Rippers and cultivators, thsd.pcs	3,4	4,0	2,9	3,9	2,5
Disk harrows, thsd.pcs	2,3	3,3	2,2	2,1	2,3
Besides disk harrow, thsd.pcs	5,8	9,3	10,4	5,1	5,6
Seeders, planters and transplanters, thsd.pcs	4,2	5,3	3,8	3,2	3,3
Mowers, including cutter bars, designed to be carried on or hauled by a tractor, thsd.pcs	2,5	3,6	1,6	1,1	0,6
Grain harvester combines, pcs	100	70	47	c	c
Sprayers and powder distributors designed to be mounted on or drawn by agricultural tractors (excluding watering appliances), pcs	800	1324	1298	1058	1366
Machines and mechanisms for feed preparation for animals, thsd.pcs	63,2	49,3	30,2	17,7	15,6
Machine tools for working wood, cork, bone, hard rubber, hard plastics or similar hard materials, n.e.c, thsd.pcs	1,1	1,0	1,0	0,9	0,5
Converters and casting machines, casting forms and buckets used in metallurgy and foundry production, thsd.pcs	0,4	0,2	0,2	3,3	c
Rollers for rolling mills, thsd.pcs	4,4	6,0	7,3	6,0	c
Elevators, conveyers and lifts of continuous, operation for underground working, pcs	53	35	94	60	26
Boring or sinking machinery (including fixed platforms used for oil or natural gas exploration) (excluding self-propelled), pcs	291	58	94	48	c
Concrete mixers and mortar mixers, thsd.pcs	4,8	6,0	5,9	6,0	c
Machinery used in the milling industry or for the working of cereals or dried leguminous vegetables (excluding farm-type machinery), thsd.pcs	4,9	5,1	5,5	5,5	c
Bakery machinery (excluding ovens and dough rollers), thsd.pcs	1,5	1,7	1,4	1,4	c

INDUSTRY

Table 17.12 continued

	2015	2017	2018	2019	2020
Machines and equipment for producing confectionery, cacao or chocolate, pcs	163	295	334	308	517
Machines and equipment for sugar production, pcs	727	540	291	250	148
Machines and equipment for processing meat and poultry, thsd.pcs	11,1	11,8	10,1	10,9	8,0
Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables, thsd.pcs	1,3	2,4	3,1	2,6	2,9
Motor vehicles for the transport of ≥ 10 persons, thsd.pcs	1,0	0,9	1,0	1,1	1,0
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	c	327	156	c
Other trailers and semi-trailers n.e.c., thsd.pcs	35,4	26,2	25,7	18,9	18,0
Inflatable vessels for pleasure or sports, thsd.pcs	34,8	18,9	26,6	24,0	29,7
Railway or tramway goods vans and wagons, not self-propelled, thsd.pcs	1,4	6,9	11,5	10,8	3,3
Bicycles and other cycles (including delivery tricycles), non-motorised, thsd.pcs	112,0	94,8	141,7	127,5	c
Invalid carriages not mechanically propelled, thsd.pcs	18,6	8,6	11,7	8,9	6,4
Production of furniture					
Swivel seats with variable height adjustments (excluding medical, surgical, dental or veterinary, and barbers' chairs), thsd.pcs	544,4	448,7	491,4	540,6	c
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	2,1	2,0	2,1	1,4
Non-upholstered seats with metal frames (excluding medical, surgical, dental or veterinary seats, barbers' or similar chairs, swivel seats), thsd.pcs	495,0	583,9	529,9	549,4	425,6
Upholstered seats with wooden frames (including three piece suites) (excluding swivel seats), thsd.pcs	564,6	409,9	440,1	523,3	541,7
Non-upholstered seats with wooden frames (excluding swivel seats), thsd.pcs	755,9	665,8	433,3	229,4	267,2
Metal furniture for offices, thsd.pcs	978,1	953,5	955,0	991,9	839,9
Wooden furniture of a kind used in offices, thsd.pcs	376,3	650,3	623,0	794,8	787,1
Wooden furniture for shops, thsd.pcs	133,0	275,1	222,8	271,3	275,6
Kitchen furniture, mln.pcs	0,9	1,3	1,2	1,6	1,8
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	750,3	673,8	686,6	767,3
Wooden furniture for the dining-room and living-room (excluding floor standing mirrors, seats), mln.pcs	0,8	1,5	1,7	2,0	2,2
Supply of electricity, gas, steam and conditioned air					
Electricity, bln. kW-h	163,7	156,0	159,8	154,1	147,8
of which produced by					
heat power plants	67,5	58,2	61,1	58,3	55,4
nuclear power plants	87,6	85,6	84,4	83,0	76,2
hydro power plants	7,0	10,5	12,0	7,9	7,6
wind power plants	1,1	1,0	1,2	2,0	3,3
solar power plants	0,5	0,7	1,1	2,9	5,4

INDUSTRY

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	2017	2018	2019	2020
Ukraine	277,5	228,8	247,1	247,8	236,6	236,4
Autonomous Republic of Crimea	20,3	...	...	...	...	...
oblasts						
Vinnysya	4,8	5,5	6,8	8,0	8,0	8,9
Volyn	14,7	10,6	8,2	8,9	11,0	11,4
Dnipropetrovsk	43,1	52,4	62,9	67,3	64,9	68,7
Donetsk	36,9	26,7	37,7	36,4	38,8	c
Zhytomyr	8,4	17,0	16,4	13,4	10,7	11,6
Zakarpattia	0,3	0,7	1,5	1,8	1,4	c
Zaporizhzhya	11,3	12,5	16,8	13,6	9,1	c
Ivano-Frankivsk	2,2	1,6	0,7	0,7	0,9	2,2
Kyiv	9,5	5,6	5,1	5,0	4,5	4,4
Kirovohrad	18,2	18,9	15,5	14,8	13,2	c
Luhansk	16,8	c	c	c	c	c
Lviv	5,1	6,3	6,5	4,5	4,9	5,4
Mykolayiv	2,3	1,3	0,9	0,7	0,7	0,6
Odesa	7,6	5,5	4,1	4,4	2,5	1,7
Poltava	32,4	36,3	36,2	35,4	32,4	c
Rivne	2,9	0,7	0,7	0,9	0,8	0,8
Sumy	1,2	1,2	1,0	0,8	0,7	0,6
Ternopil	1,1	0,6	0,8	0,9	1,2	0,7
Kharkiv	19,8	15,0	16,8	22,7	22,9	22,4
Kherson	c	c	c	c	c	c
Khmelnyskiy	5,9	4,0	3,7	3,8	4,0	c
Cherkasy	2,1	1,9	1,3	0,5	0,4	0,3
Chernivtsi	5,9	2,1	1,3	1,3	1,1	c
Chernihiv	1,6	1,3	1,2	0,9	1,0	0,9
cities						
Kyiv	1,4	1,1	0,6	0,8	0,9	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	2017	2018	2019	2020
Ukraine	2990,4	3715,8	5354,8	5148,6	5836,2	6084,4
Autonomous Republic of Crimea	0,2	...	...	...	...	...
oblasts						
Vinnitsya	108,8	351,7	475,6	457,2	444,3	c
Volyn	—	c	c	—	c	—
Dnipropetrovsk	210,0	288,1	274,0	268,5	379,4	375,6
Donetsk	387,7	154,0	188,3	119,7	164,7	c
Zhytomyr	0,0	0,1	1,0	1,2	c	c
Zaporizhzhya	427,6	590,9	586,4	577,0	628,8	689,7
Ivano-Frankivsk	c	c	—	c	—	—
Kyiv	125,8	115,1	103,2	109,2	110,1	c
Kirovohrad	353,7	446,6	825,9	746,6	872,5	886,4
Luhansk	64,4	91,5	99,1	99,4	108,3	c
Lviv	—	—	c	c	c	c
Mykolayiv	84,9	255,4	747,0	743,6	866,0	1023,2
Odesa	375,8	529,2	1014,5	965,6	1018,8	969,1
Poltava	187,9	226,4	268,0	275,5	306,0	c
Rivne	c	c	c	—	c	c
Sumy	3,3	9,3	14,7	11,1	36,3	c
Ternopil	0,2	4,0	7,5	2,5	3,9	c
Kharkiv	347,1	293,0	358,1	352,1	425,9	420,7
Kherson	181,2	201,5	201,7	187,2	200,5	c
Khmelnyskiy	0,1	0,1	3,6	3,4	c	c
Cherkasy	73,8	75,1	75,1	73,1	86,1	c
Chernivtsi	51,1	62,9	64,5	c	c	c
Chernihiv	6,6	20,1	13,6	14,2	33,5	c
cities						
Kyiv	—	—	—	c	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	2017	2018	2019	2020
Ukraine	521,0	472,3	478,2	496,7	474,4	493,4
Autonomous Republic of Crimea	10,6	...	...	...	...	...
oblasts						
Vinnitsya	74,9	c	c	90,0	92,5	c
Volyn	c	c	c	c	c	c
Dnipropetrovsk	54,8	41,4	49,8	52,7	55,3	53,0
Donetsk	46,9	5,7	4,0	3,2	3,4	c
Zhytomyr	c	15,4	31,2	37,1	12,2	c
Zakarpattia	c	—	—	—	—	—
Zaporizhzhya	13,2	10,2	9,4	8,1	8,6	6,8
Ivano-Frankivsk	4,4	4,6	4,2	3,4	3,2	1,6
Kyiv	95,3	112,4	114,8	123,2	119,6	127,7
Kirovohrad	c	c	1,2	1,5	1,9	c
Luhansk	8,8	2,2	1,9	1,6	1,1	c
Lviv	19,7	13,2	16,8	21,7	31,0	c
Mykolayiv	9,2	10,9	8,8	7,8	7,2	c
Odesa	15,5	4,5	5,0	5,3	5,1	5,0
Poltava	36,3	45,4	38,4	38,6	37,4	35,2
Rivne	4,4	6,0	7,2	7,8	8,2	c
Sumy	16,5	c	c	c	c	c
Ternopil	13,5	28,6	26,3	26,1	25,5	c
Kharkiv	34,6	30,5	26,4	22,5	16,6	15,9
Kherson	8,4	c	c	c	—	—
Khmelnyskiy	5,5	10,2	12,6	11,6	9,1	9,8
Cherkasy	—	c	c	c	c	c
Chernivtsi	—	0,3	0,5	c	c	c
Chernihiv	7,6	7,5	8,2	9,9	9,7	c
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	2017	2018	2019	2020
Ukraine	185,8	96,6	94,3	97,0	86,1	85,2
Autonomous Republic of Crimea	0,9	...	...	...	...	...
oblasts						
Vinnitsya	8,1	10,1	9,4	10,6	9,3	8,6
Volyn	c	—	c	c	0,0	c
Dnipropetrovsk	0,7	1,1	1,3	1,0	0,5	c
Donetsk	0,9	0,8	0,7	0,7	0,7	c
Zhytomyr	3,9	5,7	5,1	5,3	6,0	c
Zakarpattia	c	c	c	c	c	c
Zaporizhzhya	6,5	0,4	0,2	0,3	0,2	0,2
Ivano-Frankivsk	4,2	0,1	0,1	0,1	0,1	c
Kyiv	1,2	2,2	2,8	3,6	3,2	3,4
Kirovohrad	1,3	0,1	0,7	0,3	0,5	c
Luhansk	1,5	c	c	c	c	c
Lviv	0,6	c	c	c	c	c
Mykolayiv	8,8	3,9	6,2	8,3	7,9	6,3
Odesa	2,0	0,6	1,2	1,1	1,0	1,0
Poltava	40,4	8,5	3,9	4,5	4,0	c
Rivne	14,7	16,0	17,2	16,7	16,7	c
Sumy	17,0	13,7	13,1	12,2	7,9	c
Ternopil	6,0	3,8	2,6	2,7	2,1	c
Kharkiv	5,6	0,9	0,4	1,7	0,5	0,1
Kherson	10,6	2,8	2,2	2,1	1,8	1,7
Khmelnyskiy	11,7	2,7	4,0	3,8	3,3	3,4
Cherkasy	20,9	14,9	15,4	14,6	14,9	15,8
Chernivtsi	c	c	c	c	c	c
Chernihiv	15,9	7,6	7,1	6,8	4,6	c
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	2017	2018	2019	2020
Ukraine	368,4	297,2	272,2	274,5	279,9	306,5
Autonomous Republic of Crimea	7,2	...	...	...	...	...
oblasts						
Vinnitsya	0,4	c	8,5	13,5	19,7	c
Volyn	c	c	c	c	c	c
Dnipropetrovsk	44,5	31,9	25,8	26,1	27,6	c
Donetsk	43,1	2,7	1,8	1,4	1,4	c
Zhytomyr	8,0	4,4	4,1	4,2	4,2	c
Zakarpattia	0,3	c	—	—	—	—
Zaporizhzhya	13,1	5,7	4,2	2,7	3,4	3,1
Ivano-Frankivsk	3,0	2,8	2,7	2,4	1,9	c
Kyiv	57,0	79,5	74,1	73,3	70,5	94,5
Kirovohrad	c	c	2,0	c	c	c
Luhansk	6,1	0,5	0,4	0,4	0,4	0,4
Lviv	40,2	14,5	17,6	23,1	25,8	c
Mykolayiv	17,0	19,2	22,6	23,7	24,7	c
Odesa	3,6	3,4	3,7	3,4	3,9	2,9
Poltava	32,8	33,9	27,6	28,2	30,8	c
Rivne	2,7	3,6	4,9	5,3	5,4	c
Sumy	4,6	c	c	c	c	c
Ternopil	8,2	20,2	17,2	18,1	18,3	c
Kharkiv	24,7	28,7	25,1	23,5	17,9	15,8
Kherson	15,7	c	5,6	2,7	2,2	c
Khmelnyskiy	2,4	3,4	4,1	3,7	4,6	5,6
Cherkasy	c	c	c	c	c	c
Chernivtsi	—	0,3	0,2	c	c	c
Chernihiv	4,9	4,9	3,2	2,8	2,1	1,7
city						
Kyiv	22,2	c	c	c	c	c

INDUSTRY

17.18. Output of wheat or meslin flour, by region*(thsd.t)*

	2010	2015	2017	2018	2019	2020
Ukraine	2422,5	2056,4	1991,0	1746,0	1737,6	1549,3
Autonomous Republic of Crimea	142,1	...	...	...	...	...
oblasts						
Vinnitsya	165,7	194,2	252,3	236,9	250,5	192,2
Volyn	34,3	30,8	30,0	24,2	28,2	c
Dnipropetrovsk	156,3	157,7	176,1	161,6	166,2	166,8
Donetsk	252,8	38,1	c	10,3	8,7	15,7
Zhytomyr	12,7	14,9	25,9	22,0	32,9	c
Zakarpattia	26,7	c	13,8	c	c	c
Zaporizhzhya	78,5	84,1	85,7	66,9	66,3	70,3
Ivano-Frankivsk	50,2	43,0	33,1	25,9	20,0	c
Kyiv	124,7	145,9	165,2	174,8	149,4	105,7
Kirovohrad	33,6	54,2	29,8	37,7	54,2	c
Luhansk	148,2	54,1	32,7	30,3	33,4	c
Lviv	52,5	60,2	67,3	72,9	69,7	61,5
Mykolayiv	61,9	44,7	29,7	24,5	22,5	23,8
Odesa	106,5	106,8	107,6	76,3	75,4	48,8
Poltava	68,0	86,5	55,4	34,1	30,9	27,8
Rivne	48,5	36,5	38,5	38,2	33,3	c
Sumy	86,3	112,7	94,0	71,0	94,5	c
Ternopil	59,7	55,8	57,2	46,6	46,5	32,4
Kharkiv	173,9	304,6	279,2	235,0	227,9	245,1
Kherson	100,9	87,1	64,1	50,2	32,1	36,0
Khmelnyskiy	79,2	55,9	103,5	109,1	92,9	85,5
Cherkasy	144,3	130,6	112,0	67,2	70,4	43,4
Chernivtsi	32,2	15,6	13,5	12,4	10,5	c
Chernihiv	25,1	22,0	19,6	21,2	16,4	30,4
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	2017	2018	2019	2020
Ukraine¹	1807,7	1232,0	1072,6	975,1	892,7	794,7
Autonomous Republic of Crimea	61,4	...	...	...	...	...
oblasts						
Vinnitsya	66,3	44,0	37,4	34,6	30,1	27,0
Volyn	42,3	31,3	29,1	28,4	26,8	23,1
Dnipropetrovsk	186,7	167,9	138,1	125,8	116,3	106,3
Donetsk	161,6	49,9	44,3	36,1	35,2	31,7
Zhytomyr	57,2	40,5	34,9	31,3	28,4	26,3
Zakarpattia	13,6	12,1	9,3	8,5	7,6	5,9
Zaporizhzhya	74,8	64,3	61,8	50,0	45,9	45,5
Ivano-Frankivsk	33,8	27,7	26,1	24,9	22,3	20,4
Kyiv	68,5	113,7	102,5	93,8	93,0	85,5
Kirovohrad	26,7	14,2	11,3	10,9	9,9	9,9
Luhansk	74,4	11,7	9,6	7,9	7,3	5,9
Lviv	70,9	50,7	48,0	43,7	42,0	37,9
Mykolayiv	36,8	26,3	21,1	19,5	18,4	16,6
Odesa	93,9	80,8	71,6	68,4	52,2	38,0
Poltava	58,2	33,6	32,5	29,0	28,9	26,6
Rivne	36,3	28,0	27,9	28,4	28,5	28,2
Sumy	61,2	40,6	31,6	32,0	29,4	27,6
Ternopil	15,7	10,0	7,5	7,5	6,7	c
Kharkiv	131,3	92,6	79,2	73,9	66,7	64,6
Kherson	34,4	27,2	23,4	21,7	18,2	15,7
Khmelnyskiy	55,5	50,4	47,0	44,4	37,9	33,8
Cherkasy	64,9	35,6	24,8	21,9	19,3	18,7
Chernivtsi	29,4	23,2	18,6	18,1	17,2	c
Chernihiv	50,4	29,8	22,1	20,7	18,7	17,2
cities						
Kyiv	182,9	125,8	112,8	93,3	85,7	61,0
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	2017	2018	2019	2020
Ukraine	1546,2	1459,3	2042,7	1753,6	1490,0	1022,0
of which						
oblasts						
Vinnitsya	296,0	314,9	428,0	399,8	378,6	254,4
Volyn	91,4	c	138,4	c	c	c
Zhytomyr	c	c	c	c	c	c
Ivano-Frankivsk	c	—	—	—	c	—
Kyiv	162,5	154,5	167,2	193,3	182,7	117,1
Kirovohrad	c	c	c	c	c	c
Lviv	c	c	c	c	c	c
Mykolayiv	—	c	c	—	—	—
Poltava	239,9	209,6	230,8	222,6	182,0	168,8
Rivne	c	—	—	—	—	—
Sumy	c	—	c	c	—	—
Ternopil	147,7	c	276,8	226,0	c	c
Kharkiv	62,1	78,5	118,6	77,1	c	c
Khmelnyskiy	164,3	167,5	270,9	215,5	192,8	109,3
Cherkasy	89,3	c	c	c	c	c
Chernivtsi	c	—	—	—	c	c
Chernihiv	c	c	c	c	c	c
city						
Kyiv	—	—	c	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.

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

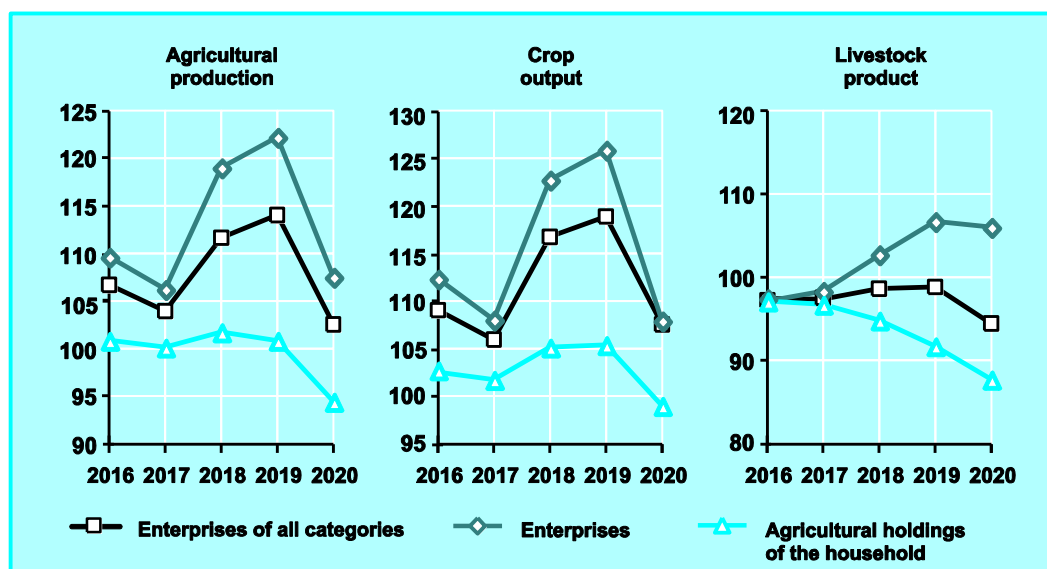
18.1. Index of agricultural products, by category of enterprises

(at constant price in 2016; 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
2020	89,9	87,9	97,5	88,0	85,8	99,3	93,6	92,8	95,6

18.2. Index of agricultural products

(at constant price in 2016; percent of 2015)



18.3. Index of agricultural products, by region

(at constant price in 2016; percent of the previous year)

	2015	2017	2018	2019	2020
Ukraine	95,2	97,8	108,2	101,4	89,9
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnitsya	91,7	95,9	110,6	101,1	85,2
Volyn	95,3	104,9	103,1	101,3	100,4
Dnipropetrovsk	106,2	100,6	102,7	110,0	85,7
Donetsk	64,8	102,3	90,4	121,6	95,8
Zhytomyr	91,1	105,9	111,8	100,9	95,3
Zakarpattia	95,0	101,5	106,9	100,9	96,5
Zaporizhzhya	109,2	96,8	85,6	129,5	88,4
Ivano-Frankivsk	95,4	104,1	101,3	97,2	103,5
Kyiv	89,1	95,8	123,9	91,7	83,9
Kirovohrad	97,6	86,2	120,6	107,6	70,5
Luhansk	77,7	94,1	109,1	114,4	88,6
Lviv	97,0	106,2	103,6	100,8	104,4
Mykolayiv	102,0	91,0	106,1	107,0	76,1
Odesa	96,1	99,5	101,1	88,4	61,0
Poltava	107,2	83,3	123,8	95,7	88,8
Rivne	92,7	105,1	102,5	99,4	103,0
Sumy	95,3	100,1	111,3	100,0	103,7
Ternopil	88,7	111,2	103,8	97,8	100,0
Kharkiv	97,1	90,2	106,1	102,5	98,0
Kherson	104,9	99,7	100,5	104,7	94,6
Khmelnyskiy	87,2	112,1	102,5	97,0	97,4
Cherkasy	99,3	88,6	122,8	97,7	78,7
Chernivtsi	91,0	105,4	105,1	95,6	99,8
Chernihiv	98,0	105,4	111,1	97,8	102,9
city					
Sevastopol	...	...	...	...	...

18.4. Structure of agricultural production, by type

(at constant price in 2016; percentage of total volume)

	2015	2017	2018	2019	2020
Crop output	75,9	77,4	78,9	79,1	77,3
Grain and leguminous crops	32,4	32,0	33,6	35,2	33,9
Industrial crops	25,0	26,9	28,4	28,6	26,5
Potatoes, vegetable and cucurbits crops	13,0	12,9	12,1	11,4	12,9
Fruit and berry crops, grapes	2,5	2,3	2,6	2,1	2,2
Fodder crops	1,7	1,5	1,4	1,3	1,3
Other products and change in incomplete production	1,3	1,8	0,8	0,5	0,5
Livestock product	24,1	22,6	21,1	20,9	22,7
Raising farm livestock	11,8	11,2	10,8	10,9	12,0
Milk	7,9	7,4	6,7	6,3	6,7
Eggs	3,3	2,9	2,8	2,8	3,1
Other products	1,1	1,1	0,8	0,9	0,9

18.5. Structure of agricultural production, by category of producers

(at constant price in 2016; percentage of total volume)

	2015	2017	2018	2019	2020
Enterprises					
Agricultural production	61,6	63,0	65,2	66,1	64,6
Crop output	66,1	67,4	69,5	69,9	68,3
Livestock product	47,5	48,0	49,5	51,3	52,3
Agricultural holdings of households					
Agricultural production	38,4	37,0	34,8	33,9	35,4
Crop output	33,9	32,6	30,5	30,1	31,7
Livestock product	52,5	52,0	50,5	48,7	47,7

18.6. Structure of agricultural production, by type in 2020, by region

(at constant price in 2016; 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	77,3	22,7	100,0	81,7	18,3	100,0	69,4	30,6
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnitsya	100,0	63,3	36,7	100,0	61,2	38,8	100,0	68,9	31,1
Volyn	100,0	69,1	30,9	100,0	69,2	30,8	100,0	68,9	31,1
Dnipropetrovsk	100,0	73,9	26,1	100,0	72,0	28,0	100,0	78,3	21,7
Donetsk	100,0	75,1	24,9	100,0	74,8	25,2	100,0	75,6	24,4
Zhytomyr	100,0	80,3	19,7	100,0	92,4	7,6	100,0	65,6	34,4
Zakarpattia	100,0	53,0	47,0	100,0	91,4	8,6	100,0	48,1	51,9
Zaporizhzhya	100,0	86,9	13,1	100,0	92,2	7,8	100,0	76,8	23,2
Ivano-Frankivsk	100,0	59,1	40,9	100,0	65,4	34,6	100,0	54,6	45,4
Kyiv	100,0	65,3	34,7	100,0	64,6	35,4	100,0	66,9	33,1
Kirovohrad	100,0	85,5	14,5	100,0	94,1	5,9	100,0	71,4	28,6
Luhansk	100,0	90,8	9,2	100,0	97,6	2,4	100,0	76,5	23,5
Lviv	100,0	70,6	29,4	100,0	76,8	23,2	100,0	64,5	35,5
Mykolayiv	100,0	86,4	13,6	100,0	96,3	3,7	100,0	70,5	29,5
Odesa	100,0	82,9	17,1	100,0	94,9	5,1	100,0	70,7	29,3
Poltava	100,0	83,3	16,7	100,0	86,2	13,8	100,0	77,1	22,9
Rivne	100,0	76,7	23,3	100,0	85,5	14,5	100,0	68,7	31,3
Sumy	100,0	87,5	12,5	100,0	94,3	5,7	100,0	61,8	38,2
Ternopil	100,0	80,9	19,1	100,0	89,1	10,9	100,0	64,9	35,1
Kharkiv	100,0	84,9	15,1	100,0	89,2	10,8	100,0	75,6	24,4
Kherson	100,0	86,8	13,2	100,0	91,7	8,3	100,0	80,2	19,8
Khmelnyskiy	100,0	81,8	18,2	100,0	88,9	11,1	100,0	64,8	35,2
Cherkasy	100,0	59,6	40,4	100,0	56,5	43,5	100,0	70,0	30,0
Chernivtsi	100,0	70,6	29,4	100,0	75,0	25,0	100,0	69,0	31,0
Chernihiv	100,0	88,8	11,2	100,0	93,0	7,0	100,0	69,5	30,5
city									
Sevastopol	...	...	...	...	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY. FISHERY

18.7. Structure of agricultural production, by category of producers in 2020, by region

(at constant price in 2016; 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	64,6	35,4	100,0	68,3	31,7	100,0	52,3	47,7
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnitsya	100,0	72,2	27,8	100,0	69,8	30,2	100,0	76,5	23,5
Volyn	100,0	53,7	46,3	100,0	53,8	46,2	100,0	53,5	46,5
Dnipropetrovsk	100,0	70,9	29,1	100,0	69,1	30,9	100,0	75,8	24,2
Donetsk	100,0	64,9	35,1	100,0	64,6	35,4	100,0	65,5	34,5
Zhytomyr	100,0	54,9	45,1	100,0	63,2	36,8	100,0	21,2	78,8
Zakarpattia	100,0	11,4	88,6	100,0	19,7	80,3	100,0	2,1	97,9
Zaporizhzhya	100,0	65,3	34,7	100,0	69,3	30,7	100,0	38,8	61,2
Ivano-Frankivsk	100,0	41,6	58,4	100,0	46,1	53,9	100,0	35,2	64,8
Kyiv	100,0	70,2	29,8	100,0	69,5	30,5	100,0	71,6	28,4
Kirovohrad	100,0	62,1	37,9	100,0	68,4	31,6	100,0	25,2	74,8
Luhansk	100,0	67,5	32,5	100,0	72,6	27,4	100,0	17,3	82,7
Lviv	100,0	49,5	50,5	100,0	53,8	46,2	100,0	39,0	61,0
Mykolayiv	100,0	61,4	38,6	100,0	68,4	31,6	100,0	16,5	83,5
Odesa	100,0	50,6	49,4	100,0	57,8	42,2	100,0	15,1	84,9
Poltava	100,0	69,0	31,0	100,0	71,3	28,7	100,0	57,3	42,7
Rivne	100,0	47,9	52,1	100,0	53,3	46,7	100,0	29,9	70,1
Sumy	100,0	79,1	20,9	100,0	85,2	14,8	100,0	36,3	63,7
Ternopil	100,0	66,1	33,9	100,0	72,8	27,2	100,0	37,8	62,2
Kharkiv	100,0	68,3	31,7	100,0	71,8	28,2	100,0	48,8	51,2
Kherson	100,0	57,4	42,6	100,0	60,6	39,4	100,0	36,0	64,0
Khmelnyskiy	100,0	70,6	29,4	100,0	76,7	23,3	100,0	43,1	56,9
Cherkasy	100,0	77,3	22,7	100,0	73,4	26,6	100,0	83,2	16,8
Chernivtsi	100,0	27,2	72,8	100,0	28,8	71,2	100,0	23,2	76,8
Chernihiv	100,0	82,2	17,8	100,0	86,1	13,9	100,0	51,7	48,3
city									
Sevastopol	...	...	...	...	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY. FISHERY

18.8. Distribution of enterprises¹ engaged in agricultural activity in 2020, 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	36277	76,3	20252,4	100,0
including with the area, ha				
under 5,00	1975	4,2	6,4	0,0
5,01—10,00	1877	3,9	14,7	0,1
10,01—20,00	3061	6,4	47,7	0,2
20,01—50,00	9395	19,7	353,3	1,7
50,01—100,00	4626	9,7	333,0	1,6
100,01—500,00	7889	16,6	1928,1	9,5
500,01—1000,00	2716	5,7	1957,9	9,7
1000,01—2000,00	2409	5,1	3458,9	17,1
2000,01—3000,00	1030	2,2	2500,3	12,4
3000,01—4000,00	473	1,0	1629,9	8,1
4000,01—5000,00	247	0,5	1099,2	5,4
5000,01—7000,00	263	0,6	1535,9	7,6
7000,01—10000,00	132	0,3	1107,0	5,5
over 10000,00	184	0,4	4280,1	21,1
Enterprises that do not have agricultural land	11246	23,7	×	×

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* (codes 01.1-01.6 by the *Classification of Types of Economic Activity* SC 009:2010)

18.9. Structure of production cost of agriculture products (operations, services) by enterprises¹

(percent)

	Products (operations, services) of agriculture			
	2017	2018	2019	2020
Production costs, total	100,0	100,0	100,0	100,0
Direct material expenses, total	59,8	56,0	57,7	55,7
including				
seeds and planting stock	7,5	8,1	8,3	8,1
fodder	10,3	11,7	11,4	12,4
other agricultural produce	1,4	1,5	1,7	1,5
mineral fertilisers	12,3	13,0	15,0	13,7
fuels and lubricants	7,6	8,8	8,7	7,0
electricity	0,8	0,9	1,0	1,0
fuels and energy	1,1	1,1	0,6	0,4
spare parts, repair and construction materials for repair	4,6	4,8	5,0	4,8
Direct expenses for labour remuneration	5,0	5,7	6,4	6,8
Other direct expenses, total	19,6	21,4	21,3	23,4
including				
benefits-related deductions	1,1	1,2	1,4	1,5
rent payments for				
land parcels (shares)	8,9	9,9	9,7	10,5
property shares	0,1	0,1	0,1	0,1
depreciation	4,7	5,8	7,0	8,1
General production expenses, total	15,6	16,9	14,6	14,1
of which				
payment for services of outside organisations	7,2	7,7	7,7	7,5

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)

**18.10. Profitability of production of basic types of agricultural products
by enterprises¹**

(percent)

	2015	2017	2018	2019	2020
Grain and leguminous crops	42,6	25,0	24,7	11,8	20,0
Factory sugar beets	27,7	12,4	—11,4	—15,4	—13,5
Sunflowers	78,4	41,3	32,5	23,5	39,4
Potatoes	24,6	10,0	6,8	15,4	11,0
Vegetable crops	32,0	9,9	13,3	2,8	8,0
Fruit and berry crops	58,3	35,4	6,4	6,2	19,0
Grapes	92,9	51,6	22,6	—7,2	—16,2
Cattle for meat ²	—16,9	3,4	—17,7	—27,1	—24,2
Pigs for meat ²	12,6	3,5	6,9	4,7	2,6
Sheep and goats for meat ²	—26,6	—39,6	—16,6	—39,7	—39,4
Poultry for meat ²	—5,4	7,0	5,7	—3,7	—0,2
Milk	12,7	26,9	16,1	20,6	20,4
Eggs ³	60,9	—9,0	5,4	—23,5	—19,2
Wool ³	—61,9	—69,8	—69,5	—71,1	—72,0

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

**18.11. Profitability of production of basic types of agricultural products in enterprises¹
in 2020, 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	20,0	39,4	8,0	19,0	−24,2	2,6	−0,2	20,4	−19,2
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnitsya	15,7	35,9	−31,3	0,2	−20,3	−9,7	0,1	21,7	−8,9
Volyn	36,3	43,2	44,0	44,3	−12,8	9,7	−15,4	39,4	c
Dnipropetrovsk	25,1	35,5	8,1	43,2	−31,3	−1,0	−27,5	20,2	−4,8
Donetsk	27,4	43,2	−21,7	−12,4	−5,7	−11,3	−47,5	6,5	−4,8
Zhytomyr	12,3	50,4	8,9	92,8	−19,5	−11,8	−3,6	17,6	c
Zakarpattia	31,2	25,6	47,6	18,8	−6,7	4,7	1,3	6,1	c
Zaporizhzhya	28,4	53,8	−6,7	2,3	−38,6	−0,2	−12,1	14,3	−8,3
Ivano-Frankivsk	5,0	9,0	4,5	102,2	−11,3	34,2	1,1	1,4	c
Kyiv	11,9	38,6	9,9	27,2	−25,6	5,3	15,8	18,1	−8,8
Kirovohrad	16,2	33,8	−49,9	−21,5	−32,0	−8,2	−9,9	−1,3	16,8
Luhansk	20,8	39,1	c	−43,5	−32,2	−36,4	c	−4,7	c
Lviv	12,0	25,9	−3,4	15,5	−7,0	25,7	13,4	8,2	7,8
Mykolayiv	15,1	32,2	2,3	−18,4	−13,1	−21,4	−59,0	31,6	−27,3
Odesa	−10,5	19,9	11,1	13,2	−21,9	−6,8	12,6	15,8	−54,9
Poltava	19,8	35,1	−37,7	15,5	−31,7	10,8	−51,8	21,3	−14,8
Rivne	38,6	47,7	−3,4	65,0	24,4	−7,4	16,7	33,6	c
Sumy	38,1	49,7	−14,3	−15,5	−31,5	−6,0	−69,7	26,2	−9,0
Ternopil	23,3	45,8	35,5	35,5	−12,9	−3,3	−10,8	20,2	26,3
Kharkiv	31,1	44,5	−0,1	6,0	−35,2	5,7	−0,4	18,1	c
Kherson	21,8	29,6	6,5	16,3	−25,1	−2,0	c	19,5	10,4
Khmelnyskiy	20,6	44,9	11,0	16,2	−31,2	−20,2	−18,5	30,9	c
Cherkasy	17,8	49,2	34,5	−17,2	−29,7	−4,6	−7,1	20,5	−87,3
Chernivtsi	10,1	35,5	20,9	18,6	−14,8	2,9	41,1	9,8	90,6
Chernihiv	23,2	47,2	48,4	42,3	−19,0	−4,3	9,0	19,5	c
cities									
Kyiv	−1,2	20,6	c	79,9	−12,5	−2,5	c	30,3	c
Sevastopol	...	...	...	...	...	...	...	...	...

¹ See the footnote to Table 18.9

² See the second footnote to Table 18.10

18.12. Average prices for selling agricultural products by agricultural enterprises

(1 t; UAH)

	2000	2005	2010	2015	2017	2018	2019	2020
Enterprises								
Grain and leguminous crops	443,8	417,8	1120,9	2912,1	3771,6	4315,0	3867,5	4794,1
including								
wheat	487,0	415,2	1085,8	2796,2	3814,7	4586,1	4077,1	5017,5
rye	468,8	317,2	792,7	2222,4	3106,4	3205,5	4276,8	4594,3
grain maize	386,4	343,1	1246,1	2989,9	3668,9	4011,5	3684,6	4668,6
barley	374,2	488,5	955,1	2661,5	3634,2	4815,4	3932,5	4352,7
oats	345,6	334,2	766,8	2065,4	3301,5	3906,1	4305,6	4649,6
millet	349,9	295,4	1036,2	3315,8	3634,0	7700,2	6929,5	5974,6
buckwheat	748,0	883,8	3910,0	9098,3	10490,8	5827,8	7158,7	14550,8
rice	707,7	1017,9	2348,1	7426,3	7663,4	7909,4	7898,7	8663,6
legumes	575,0	579,0	1596,4	5382,5	5719,2	5394,5	5337,4	6224,1
Oil crops	525,7	981,5	2942,6	7531,5	9132,0	9318,3	8321,2	10852,9
Factory sugar beets	121,5	177,0	478,5	788,6	825,3	749,0	753,7	871,5
Potatoes	517,1	685,2	2131,0	2436,3	3296,3	3746,0	5474,7	5103,4
Vegetable crops	572,1	1462,1	2551,6	3903,4	4136,1	4448,0	4497,0	4437,1
Fruit and berry crops	394,9	987,8	2419,8	5894,5	8766,6	5054,0	6494,4	9140,2
Grapes	724,5	1476,1	3638,2	6450,3	6219,5	5822,3	5451,4	6739,0
Livestock animals (live weight)	2358,0	6909,9	10797,1	21966,2	31838,4	33331,2	32679,8	32490,6
Milk	536,4	1126,9	2938,7	4347,3	7234,0	7602,4	8198,2	8839,9
Eggs, for thsd.pcs	191,7	251,8	470,6	1333,2	1145,9	1600,3	1206,1	1258,6
Wool	3182,5	4441,4	4165,3	14216,7	19833,9	23350,5	25027,3	12537,4
Agricultural holdings of the household								
Grain and leguminous crops	...	454,0	1195,6	2805,4	3431,3	3986,1	3702,9	4411,5
Oil crops	...	1079,5 ¹	3026,0	6708,3	8056,8	8168,3	6737,2	9590,5
Factory sugar beets	...	170,4	354,6	631,6	747,9	700,0	—	—
Potatoes	...	1111,5	3601,6	3566,6	4532,4	3563,2	9276,8	6999,2
Vegetable crops	...	1449,7	3061,4	7557,3	6913,0	8013,3	11677,0	12688,0
Fruit and berry crops	...	1920,2	5043,7	9790,9	13256,4	9116,4	18123,0	17993,2
Grapes	...	901,6	3842,1	7831,6	10403,0	6662,6	11758,0	7182,3
Livestock animals (live weight)	...	7661,3	12939,4	25345,9	33591,1	37968,6	38429,4	40142,2
Milk	...	1035,2	2563,4	3619,9	5550,2	5995,8	6638,2	6874,5
Eggs, for thsd.pcs	...	389,7	809,0	1749,2	1999,0	2462,7	2423,1	2377,6
Wool	...	3054,8	3507,3	8021,0	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; beginning of year; thsd.ha)

	2000	2005	2010	2015	2017	2018	2019	2020
Total agricultural land	43067,1	41763,8	41596,4	41511,7	41504,9	41489,3	41329,0	41310,9
including								
arable fields	32669,9	32482,2	32478,4	32531,1	32543,4	32544,3	32698,5	32757,3
hay fields	2336,4	2438,0	2409,8	2407,3	2402,9	2399,4	2294,4	2283,9
pastures	5501,6	5530,1	5489,7	5441,0	5430,9	5421,5	5282,6	5250,3
conversions	376,4	409,7	320,8	239,4	230,6	229,3	190,5	166,7
perennial plantations	945,2	903,8	897,7	892,9	897,1	894,8	863,0	852,7

18.14. Sown area for agricultural crops in 1940–2020

(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
2020	28147	15392	220	6457	1325	457

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18.15. Sown area for agricultural crops

(thsd.ha)

	2000	2005	2010	2015	2017	2018	2019	2020
Agricultural crops	27173	26044	26952	26902	27585	27699	28001	28147
Grain and leguminous crops	13646	15005	15090	14739	14624	14839	15318	15392
Winter crops	6324	7289	7904	7904	7242	7455	7836	7600
including								
wheat ¹	5316	6185	6137	6696	6168	6417	6650	6429
rye	668	622	286	150	171	149	115	137
barley	340	482	1481	1058	887	874	1058	1025
Summer crops	7322	7716	7186	6835	7382	7384	7482	7792
of which								
wheat ¹	303	480	314	171	202	197	167	167
barley	3645	4018	3024	1768	1620	1618	1555	1370
oats	521	468	326	213	198	197	183	200
grain maize	1364	1711	2709	4123	4520	4580	5005	5432
millet	437	141	95	112	58	55	92	159
buckwheat	574	426	225	133	189	112	69	84
rice	26	21	29	12	13	13	11	11
legumes crops	408	422	429	250	506	565	348	315
Industrial crops	4187	5260	7296	8350	9259	9266	9130	9224
of which								
factory sugar beets	856	652	501	237	316	276	222	220
sunflowers	2943	3743	4572	5105	6034	6117	5928	6457
rape and colza	214	207	907	682	789	1042	1282	1127
soya	65	438	1076	2158	2000	1716	1609	1351
flax	23	25	1	2	2	1	1	c
Potatoes, vegetable and cucurbits crops	2277	2041	1967	1823	1844	1825	1828	1854
of which								
potatoes	1629	1514	1408	1291	1323	1319	1309	1325
vegetable crops in open ground (without seed crops)	538	465	462	440	439	433	446	457
Fodder crops	7063	3738	2599	1990	1858	1769	1725	1677
of which								
fodder roots (including fodder sugar beets)	285	294	244	213	206	203	192	191
fodder corn	1920	774	473	309	286	258	243	262
annual grass	1765	891	583	393	353	338	312	302
perennial grass	2985	1702	1238	1027	955	920	921	869

¹ Here and elsewhere (Table 18.17, 18.19, 18.20, 18.32, 18.33) for 2017–2020 excluding triticale

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18.16. Sown area for agricultural crops in 2020, by region

(thsd.ha)

	Agricultural crops	Of which			
		grain and leguminous crops	industrial crops	potatoes, vegetable and cucurbits crops	fodder crops
Ukraine	28147	15392	9224	1854	1677
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnitsya	1628	879	492	133	124
Volyn	605	312	133	93	67
Dnipropetrovsk	1981	1098	747	95	41
Donetsk	1033	573	375	52	33
Zhytomyr	1189	527	336	127	199
Zakarpattia	184	81	18	44	41
Zaporizhzhya	1708	985	643	36	44
Ivano-Frankivsk	378	153	88	70	67
Kyiv	1196	673	335	121	67
Kirovohrad	1713	862	744	63	44
Luhansk	858	402	417	18	21
Lviv	713	307	191	137	78
Mykolayiv	1565	884	593	41	47
Odesa	1699	1119	490	49	41
Poltava	1728	1008	547	84	89
Rivne	619	283	165	85	86
Sumy	1196	697	367	68	64
Ternopil	841	485	245	68	43
Kharkiv	1827	1018	640	93	76
Kherson	1420	779	491	85	65
Khmelnyskiy	1210	621	410	78	101
Cherkasy	1213	704	340	77	92
Chernivtsi	306	118	94	49	45
Chernihiv	1337	824	323	88	102
city					
Sevastopol	...	...	...	...	...

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18.17. Harvested area

(thsd.ha)

	2000	2005	2010	2015	2017	2018	2019	2020
Grain and leguminous crops	12587	14605	14576	14641	14560	14794	15292	15283
Winter crops	5846	7187	7698	7870	7231	7445	7830	7542
including								
wheat	4888	6105	5982	6670	6161	6409	6645	6388
rye	636	608	279	149	170	148	115	137
barley	322	474	1437	1051	885	873	1057	1008
Summer crops	6741	7418	6878	6771	7329	7349	7462	7741
of which								
wheat	273	466	302	169	200	195	167	167
barley	3367	3876	2880	1755	1617	1611	1552	1367
oats	481	450	311	211	198	196	182	199
grain maize	1279	1660	2648	4084	4481	4564	4987	5392
millet	367	120	85	113	56	55	93	159
buckwheat	529	396	199	128	185	113	69	84
rice	25	21	29	12	13	13	11	11
legumes crops	383	401	391	247	504	556	347	310
Factory sugar beets	747	623	492	237	314	275	221	220
Sunflowers	2842	3689	4526	5166	6061	6167	5959	6481
Rape and colza	157	195	863	671	786	1039	1279	1113
Soya	61	422	1037	2136	1982	1729	1613	1364
Flax (fiber)	20	24	1	1	1	1	1	c
Potatoes	1631	1516	1412	1291	1323	1320	1309	1325
Vegetable crops	519	464	468	447	446	440	452	465
Fodder roots	281	294	246	214	206	203	192	191
Fodder corn	1843	766	469	308	288	259	247	267
Annual hay grass	289	342	298	267	253	234	218	213
Perennial hay grass	1249	1001	903	819	774	758	762	727

18.18. Area planted with fruit and berry crops, and grapes

(thsd.ha)

	2000	2005	2010	2015	2017	2018	2019	2020
Plantations of fruit and berry crops	425	299	255	235	226	228	225	219
of which fruit-bearing	378	266	223	206	199	200	196	191
Vineyards	110	96	87	45	44	43	42	39
of which fruit-bearing	99	81	68	42	41	41	40	37

18.19. Output of agricultural crops in 1913–2020

(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
2020	64933	24877	9150	13110	20838	9653	2024	281

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18.20. Output of agricultural crops

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Grain and leguminous crops	24459	38016	39271	60126	61917	70057	75143	64933
Winter crops	11348	19744	19899	29605	28994	27268	31917	28038
including								
wheat	9775	17683	16217	25937	25399	23907	27664	24259
rye	966	1053	463	387	505	393	333	455
barley	607	1008	3219	3281	3041	2923	3879	3291
Summer crops	13111	18272	19372	30521	32923	42789	43226	36895
of which								
wheat	422	1016	634	595	760	699	664	618
barley	6265	7967	5266	5007	5244	4426	5038	4345
oats	881	791	459	489	471	419	422	510
grain maize	3848	7167	11953	23328	24669	35801	35880	30290
millet	426	141	117	213	84	81	170	256
buckwheat	481	275	134	128	180	137	85	98
rice	90	93	148	63	64	69	55	61
legumes crops	652	758	592	502	1239	955	710	600
Factory sugar beets	13199	15468	13749	10331	14882	13968	10204	9150
Sunflowers	3457	4706	6772	11181	12236	14165	15254	13110
Rape and colza	132	285	1470	1738	2195	2751	3280	2557
Soya	64	613	1680	3931	3899	4461	3699	2798
Flax (fiber)	8	13	0	1	1	1	1	c
Potatoes	19838	19462	18705	20839	22208	22504	20269	20838
Vegetable crops	5821	7295	8122	9214	9286	9440	9688	9653
Fodder roots	6672	8015	6771	6188	6148	6194	5809	5521
Fodder corn	24183	12509	7511	6843	6546	6955	6373	6621
Annual hay grass	647	942	953	977	992	940	904	821
Perennial hay grass	2572	2969	3238	3124	3164	3206	3243	2983
Fruit and berry crops	1453	1690	1747	2153	2048	2571	2119	2024
Grapes	514	443	408	386	410	468	366	281

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18.21. Output of agricultural crops, by category of enterprises

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Enterprises								
Grain and leguminous crops	19964	28791	29779	46507	47905	56096	59982	51718
Factory sugar beets	11594	12146	12663	9554	14227	13317	9658	8627
Sunflowers	3025	3710	5586	9549	10597	12194	13089	11493
Potatoes	277	239	483	456	429	416	373	398
Vegetable crops	986	781	964	1282	1344	1357	1421	1491
Fruit and berry crops	264	200	287	412	334	556	351	341
Grapes	360	258	260	206	240	263	144	99
Agricultural holdings of households								
Grain and leguminous crops	4495	9225	9492	13619	14012	13961	15161	13215
Factory sugar beets	1605	3322	1086	777	655	651	546	523
Sunflowers	432	996	1186	1632	1639	1971	2165	1617
Potatoes	19561	19223	18222	20383	21779	22088	19896	20440
Vegetable crops	4835	6514	7158	7932	7942	8083	8267	8162
Fruit and berry crops	1189	1490	1460	1741	1714	2015	1768	1683
Grapes	154	185	148	180	170	205	222	182

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18.22. Share of the agricultural crop production by household holdings

(percentage of total volume)

	2000	2005	2010	2015	2017	2018	2019	2020
Grain and leguminous crops	18,4	24,3	24,2	22,7	22,6	19,9	20,2	20,4
Factory sugar beets	12,2	21,5	7,9	7,5	4,4	4,7	5,4	5,7
Sunflower	12,5	21,2	17,5	14,6	13,4	13,9	14,2	12,3
Potatoes	98,6	98,8	97,4	97,8	98,1	98,1	98,2	98,1
Vegetable crops	83,1	89,3	88,1	86,1	85,5	85,6	85,3	84,6
Fruit and berry crops	81,8	88,2	83,6	80,9	83,7	78,4	83,4	83,2
Grapes	30,0	41,8	36,3	46,6	41,4	43,8	60,7	64,8

18.23. Per capita agricultural crop production

(kg)

	2000	2005	2010	2015	2017	2018	2019	2020
Grain and leguminous crops	497	807	856	1403	1457	1657	1788	1555
Factory sugar beets	268	328	300	241	350	330	243	219
Sunflower	70	100	148	261	288	335	363	314
Potatoes	403	413	408	486	523	532	482	499
Vegetable crops	118	155	177	215	219	223	231	231
Fruit and berry crops	30	36	38	50	48	61	50	48
Grapes	10	9	9	9	10	11	9	7

18.24. Output of grain and leguminous crops, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	24459	38016	39271	60126	61917	70057	75143	64933
Autonomous Republic of Crimea	1064	1160	1401	...	...	...	...	...
oblasts								
Vinnitsya	1745	2035	3111	3768	4889	5911	5936	4015
Volyn	503	677	579	1062	1165	1237	1293	1401
Dnipropetrovsk	1571	2908	2709	3866	3578	3488	4285	3540
Donetsk	1011	1912	1797	1536	1908	1344	1969	1988
Zhytomyr	721	750	1087	1460	1994	2424	2738	2526
Zakarpattia	167	296	256	332	390	376	392	327
Zaporizhzhya	1150	1806	1905	2728	2907	2233	3339	2965
Ivano-Frankivsk	253	335	346	689	754	805	744	827
Kyiv	1431	2284	2003	2820	2647	4082	4216	2987
Kirovohrad	1378	2479	2374	3314	2858	3763	4346	2689
Luhansk	442	1311	811	993	1276	1159	1446	1376
Lviv	481	627	623	1366	1417	1440	1644	1607
Mykolayiv	921	1763	2201	2896	2675	2673	3138	2362
Odesa	1581	2669	2929	3489	4265	4320	3748	1955
Poltava	1408	2851	2854	5363	4242	6342	6119	5050
Rivne	495	599	636	1102	1209	1260	1493	1444
Sumy	968	1119	1324	3735	3686	4470	4432	4820
Ternopil	741	1045	1261	2199	2622	2632	2700	2837
Kharkiv	1268	2407	1266	4210	3859	3829	4416	4853
Kherson	1166	1539	1515	2622	2545	2268	2740	2720
Khmelnyskiy	1242	1205	1743	2793	3421	3861	3798	3985
Cherkasy	1594	2217	2531	3745	2927	4644	4560	2692
Chernivtsi	326	427	488	524	604	586	642	578
Chernihiv	832	1595	1518	3514	4079	4910	5009	5389
city								
Sevastopol	...	...	3	...	...	...	...	...

18.25. Output of factory sugar beets, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	13199	15468	13749	10331	14882	13968	10204	9150
Autonomous Republic of Crimea	—	—	—	...	...	...	...	...
oblasts								
Vinnitsya	1916	2050	2457	2057	2834	3150	1951	2001
Volyn	486	711	474	420	621	528	412	337
Dnipropetrovsk	270	359	33	31	55	54	35	25
Donetsk	37	47	17	10	c	c	c	11
Zhytomyr	388	595	304	607	730	708	601	442
Zakarpattia	—	—	—	—	—	—	—	—
Zaporizhzhya	27	26	3	—	—	—	—	—
Ivano-Frankivsk	202	151	80	33	73	66	50	26
Kyiv	1216	1562	1094	882	1049	1396	838	815
Kirovohrad	642	699	513	483	586	389	484	318
Luhansk	78	18	0	—	0	0	0	—
Lviv	401	437	529	583	809	672	619	723
Mykolayiv	130	146	19	85	96	—	—	—
Odesa	214	116	8	—	—	—	—	—
Poltava	975	1543	1802	1396	1446	1473	1107	1049
Rivne	431	582	1010	454	643	724	560	789
Sumy	773	644	336	75	252	140	c	c
Ternopil	1202	1476	1555	727	1737	1703	1177	859
Kharkiv	1117	1103	462	539	850	577	250	155
Kherson	25	33	—	—	c	—	—	—
Khmelnyskiy	1146	1041	1606	1141	1983	1424	1395	959
Cherkasy	860	1253	977	491	674	704	399	338
Chernivtsi	322	181	104	6	c	c	c	c
Chernihiv	341	695	366	311	269	250	217	200
city								
Sevastopol	...	...	—	...	...	...	...	...

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18.26. Output of sunflower, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	3457	4706	6772	11181	12236	14165	15254	13110
Autonomous Republic of Crimea	38	26	36	...	...	...	...	...
oblasts								
Vinnitsya	67	87	275	504	726	808	846	773
Volyn	0	0	0	5	39	70	94	101
Dnipropetrovsk	452	613	856	1199	1203	1283	1449	1013
Donetsk	462	473	592	528	555	531	686	572
Zhytomyr	0	6	27	141	248	299	325	346
Zakarpattia	1	2	2	5	7	5	8	6
Zaporizhzhya	444	735	758	962	866	720	1020	827
Ivano-Frankivsk	1	1	5	27	77	58	61	64
Kyiv	25	47	122	292	397	570	508	455
Kirovohrad	305	525	713	1170	1092	1459	1540	1033
Luhansk	238	312	383	485	566	721	861	678
Lviv	—	0	0	28	74	80	73	85
Mykolayiv	251	427	586	939	876	1087	1063	692
Odesa	311	340	328	755	904	886	693	453
Poltava	201	288	466	848	731	944	979	974
Rivne	0	0	3	10	67	58	78	102
Sumy	40	27	129	471	516	621	777	880
Ternopil	1	1	13	75	234	191	216	285
Kharkiv	342	301	703	1172	1103	1468	1481	1356
Kherson	155	289	361	486	499	553	641	532
Khmelnyskiy	3	3	42	106	439	484	513	569
Cherkasy	107	181	303	542	505	641	674	569
Chernivtsi	6	10	8	21	44	52	34	53
Chernihiv	7	12	61	410	468	576	634	692
city								
Sevastopol	...	...	0	...	...	...	...	...

18.27. Output of potatoes, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	19838	19462	18705	20839	22208	22504	20269	20838
Autonomous Republic of Crimea	250	159	363	...	...	...	...	...
oblasts								
Vinnnytsya	1418	1523	1580	1837	1885	1908	1827	1908
Volyn	1194	975	986	1099	1139	1164	1174	1201
Dnipropetrovsk	683	584	434	560	568	524	434	466
Donetsk	763	720	474	398	447	344	358	417
Zhytomyr	1065	1111	1166	1177	1648	1879	1599	1774
Zakarpattia	478	544	501	546	531	530	495	478
Zaporizhzhya	291	329	269	258	226	190	219	178
Ivano-Frankivsk	845	755	766	942	1000	1010	1008	999
Kyiv	1351	1121	1496	1434	1701	1830	1506	1549
Kirovohrad	317	532	416	525	560	576	503	515
Luhansk	359	670	340	208	299	232	209	214
Lviv	1510	1297	1259	1622	1694	1698	1573	1601
Mykolayiv	73	213	171	196	183	171	177	207
Odesa	316	406	541	495	393	305	381	361
Poltava	694	950	819	1138	997	1096	996	1004
Rivne	876	912	1066	1228	1311	1311	1285	1286
Sumy	928	917	980	1068	1107	1000	951	902
Ternopil	1043	682	831	928	991	1036	960	914
Kharkiv	1183	1270	475	1029	1078	1079	843	713
Kherson	295	207	250	287	271	296	259	280
Khmelnyskiy	1077	978	1084	1065	1385	1387	1096	1280
Cherkasy	940	929	760	778	732	916	632	729
Chernivtsi	418	420	496	586	615	614	579	597
Chernihiv	1471	1258	1178	1435	1447	1408	1205	1265
city								
Sevastopol	...	...	4	...	...	...	...	...

18.28. Output of vegetable crops, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	5821	7295	8122	9214	9286	9440	9688	9653
Autonomous Republic of Crimea	186	128	395	...	...	...	...	...
oblasts								
Vinnitsya	196	293	311	461	483	461	456	430
Volyn	111	215	249	276	303	280	282	280
Dnipropetrovsk	433	494	560	728	703	749	727	684
Donetsk	444	475	415	208	233	236	270	241
Zhytomyr	194	203	209	272	327	340	394	403
Zakarpattia	123	218	246	267	271	284	271	281
Zaporizhzhya	231	298	282	436	352	274	274	254
Ivano-Frankivsk	134	127	122	170	174	178	181	185
Kyiv	295	402	455	511	581	604	566	566
Kirovohrad	213	269	218	235	243	258	261	254
Luhansk	249	278	257	163	187	164	178	148
Lviv	269	380	412	484	511	513	709	807
Mykolayiv	174	267	354	483	555	516	478	575
Odesa	301	526	474	437	288	271	289	247
Poltava	199	350	406	517	402	524	546	563
Rivne	134	171	216	214	268	265	269	275
Sumy	138	140	154	189	184	201	203	205
Ternopil	140	145	194	255	274	265	283	273
Kharkiv	416	523	464	690	688	694	676	579
Kherson	421	526	841	1252	1269	1317	1320	1316
Khmelnyskiy	155	225	209	187	269	263	249	225
Cherkasy	344	296	281	365	313	355	359	388
Chernivtsi	146	184	219	222	234	238	248	254
Chernihiv	175	162	175	192	174	190	199	220
city								
Sevastopol	...	...	4	...	...	...	...	...

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18.29. Output of fruit and berry crops, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	1453	1690	1747	2153	2048	2571	2119	2024
Autonomous Republic of Crimea	133	59	102	...	...	...	...	...
oblasts								
Vinnitsya	73	185	189	292	234	332	235	219
Volyn	39	28	34	38	37	43	40	39
Dnipropetrovsk	196	166	131	145	141	185	154	122
Donetsk	158	228	102	105	107	106	85	87
Zhytomyr	24	35	31	51	40	57	47	43
Zakarpattia	104	66	97	138	119	179	133	101
Zaporizhzhya	58	81	59	67	62	85	52	44
Ivano-Frankivsk	25	32	39	47	51	61	53	57
Kyiv	22	25	52	72	61	77	62	76
Kirovohrad	24	22	27	28	32	38	30	29
Luhansk	53	38	17	34	34	75	57	60
Lviv	90	74	90	107	114	137	123	141
Mykolayiv	24	37	38	36	29	43	28	25
Odesa	66	114	74	85	90	109	107	88
Poltava	22	40	101	106	112	126	121	124
Rivne	35	52	86	99	81	87	90	93
Sumy	5	9	14	17	17	21	18	17
Ternopil	11	21	18	71	64	88	81	83
Kharkiv	34	71	65	88	82	81	59	49
Kherson	65	59	59	65	66	74	57	45
Khmelnyskiy	78	149	158	205	226	237	205	202
Cherkasy	36	24	37	57	37	62	47	42
Chernivtsi	53	63	97	179	193	246	221	217
Chernihiv	25	12	16	21	19	22	14	21
city								
Sevastopol	...	...	14	...	...	...	...	...

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18.30. Output of grapes, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	513,8	442,6	407,9	386,3	409,6	467,6	366,3	281,0
Autonomous Republic of Crimea	179,4	116,3	90,5	...	...	...	...	...
oblasts								
Vinnitsya	0,7	2,1	2,6	4,3	4,2	4,3	3,6	3,7
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	5,4	6,0	7,3	9,6
Donetsk	16,1	11,5	6,6	3,0	5,5	6,0	6,3	5,2
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	25,3	26,6	26,7	26,8
Zaporizhzhya	3,1	4,7	5,9	5,0	7,3	7,3	7,7	4,9
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	2,4	2,8	2,9	2,6
Kirovohrad	1,5	0,6	1,6	2,4	2,8	3,3	3,3	3,2
Luhansk	1,4	1,1	0,9	1,3	2,0	2,7	2,9	2,7
Lviv	1,4	1,2	1,2	1,4	1,4	1,4	1,4	1,3
Mykolayiv	30,2	37,4	38,9	50,8	51,3	62,1	30,6	21,9
Odesa	201,4	193,3	175,1	238,7	253,6	296,7	241,7	169,8
Poltava	0,4	0,6	1,8	1,9	1,9	2,4	2,7	2,7
Rivne	0,1	0,2	0,2	0,2	0,2	0,2	0,3	0,3
Sumy	0,2	0,3	0,2	0,2	0,2	0,2	0,2	0,3
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	0,6	0,7	0,7	0,7
Kherson	26,3	36,1	29,3	36,9	40,8	39,0	22,4	20,1
Khmelnyskiy	0,3	0,3	0,5	0,6	0,7	0,7	0,7	0,6
Cherkasy	0,5	0,5	0,8	1,8	1,0	2,2	2,0	1,7
Chernivtsi	1,0	0,7	0,9	1,1	1,2	1,2	1,2	1,2
Chernihiv	0,3	0,1	0,1	0,4	0,4	0,4	0,3	0,3
city								
Sevastopol	...	...	21,4	...	...	...	...	...

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18.31. Yields of agricultural crops in 1940–2020

(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
2020	42,5	416	20,2	157	207	105,6	75,6

AGRICULTURE, HUNTING, FORESTRY. FISHERY

18.32. Yields of agricultural crops

(1 ha; centner)

	2000	2005	2010	2015	2017	2018	2019	2020
Grain and leguminous crops	19,4	26,0	26,9	41,1	42,5	47,4	49,1	42,5
Winter crops	19,4	27,5	25,9	37,6	41,1	36,6	40,8	37,2
Including								
Wheat	20,0	29,0	27,1	38,9	41,2	37,3	41,6	38,0
Rye	15,2	17,3	16,6	25,9	29,7	26,6	28,9	33,3
Barley	18,9	21,2	22,4	31,2	34,4	33,5	36,7	32,7
Summer crops	19,5	24,6	28,2	45,1	46,3	58,2	57,9	47,7
of which								
Wheat	15,4	21,8	21,0	35,1	37,9	35,8	39,7	37,1
Barley	18,6	20,6	18,3	28,5	32,4	27,5	32,4	31,8
Oats	18,3	17,6	14,8	23,2	23,9	21,4	23,2	25,6
grain maize	30,1	43,2	45,1	57,1	55,1	78,4	71,9	56,2
Millet	11,6	11,7	13,7	18,9	15,0	14,6	18,1	16,1
buckwheat	9,1	6,9	6,7	10,0	9,7	12,1	12,3	11,6
rice	35,6	43,4	50,5	53,4	50,5	54,9	52,2	54,0
legumes crops	17,0	18,9	15,1	20,4	24,6	17,2	20,4	19,3
Factory sugar beets	177	248	279	436	475	509	461	416
Sunflowers	12,2	12,8	15,0	21,6	20,2	23,0	25,6	20,2
Rape and colza	8,4	14,6	17,0	25,9	27,9	26,5	25,6	23,0
Soya	10,6	14,5	16,2	18,4	19,7	25,8	22,9	20,5
Flax (fiber)	4,2	5,4	4,0	8,9	9,5	6,7	6,8	c
Potatoes	122	128	132	161	168	171	155	157
Vegetable crops	112	157	174	206	208	214	214	207
Fodder roots	238	273	276	289	298	305	302	288
Fodder corn	131	163	160	222	227	269	259	248
Annual hay grass	22,4	27,5	32,0	36,6	39,2	40,1	41,4	38,6
Perennial hay grass	20,6	29,7	35,8	38,1	40,9	42,3	42,5	41,0
Fruit and berry crops	38,4	63,7	78,2	104,5	103,1	128,4	108,1	105,6
Grapes	51,7	54,9	60,3	92,3	99,3	114,9	92,7	75,6

18.33. Yields of grain and leguminous crops in 2020, by region

(1 ha; centner)

	Grain and leguminous crops	Including					
		wheat	rye	barley	oats	corn grain	millet
Ukraine	42,5	38,0	33,2	32,2	25,6	56,2	16,1
Autonomous Republic of Crimea	...	...	...	...	...	...	...
oblasts							
Vinnnytsya	45,9	42,7	29,0	39,1	27,4	50,6	26,2
Volyn	45,1	44,1	30,5	34,2	23,4	92,5	20,2
Dnipropetrovsk	32,3	38,6	30,6	31,7	22,3	24,1	11,9
Donetsk	34,7	39,3	29,1	30,4	20,2	29,0	13,7
Zhytomyr	48,2	41,1	31,7	36,8	25,0	63,1	16,1
Zakarpattya	42,0	34,0	c	32,3	31,8	48,1	—
Zaporizhzhya	30,1	31,0	24,4	29,7	20,0	48,3	13,7
Ivano-Frankivsk	54,2	44,2	c	43,9	27,1	81,2	c
Kyiv	44,9	42,8	38,5	37,9	28,9	48,5	27,4
Kirovohrad	31,4	36,0	44,4	33,6	22,6	27,6	20,7
Luhansk	34,5	37,8	29,0	27,4	16,2	29,2	14,6
Lviv	52,4	44,9	32,9	44,4	25,2	88,0	19,9
Mykolayiv	26,8	27,0	c	27,5	23,7	28,2	13,6
Odesa	18,5	17,8	25,3	17,8	9,7	26,7	6,1
Poltava	50,2	44,8	32,6	36,0	31,0	54,8	26,1
Rivne	51,4	43,8	29,6	37,4	26,1	85,2	13,8
Sumy	69,1	52,3	36,8	41,5	31,6	82,0	32,1
Ternopil	58,5	47,0	44,8	43,0	27,9	92,6	8,0
Kharkiv	47,7	50,5	38,3	40,2	30,4	50,9	26,3
Kherson	35,0	31,9	29,6	32,2	24,8	89,4	15,4
Khmelnyskiy	64,2	45,9	38,9	40,3	30,7	90,4	25,8
Cherkasy	38,5	43,5	30,6	37,8	23,1	37,1	27,6
Chernivtsi	48,7	36,9	34,4	34,5	24,1	63,1	c
Chernihiv	65,6	47,6	37,3	43,9	25,9	77,1	21,2
city							
Sevastopol	...	...	...	...	...	...	...

18.34. Yields of agricultural crops in 2020, by region

(1 ha; centner)

	Factory sugar beets	Sunflowers	Potatoes	Vegetable crops	Fruit and berry crops
Ukraine	416,2	20,2	157,2	207,4	105,6
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnitsya	413,2	26,8	174,1	201,3	102,0
Volyn	424,5	25,5	149,8	221,2	97,7
Dnipropetrovsk	472,3	16,3	87,7	186,6	87,4
Donetsk	280,0	17,2	119,1	159,9	133,1
Zhytomyr	382,6	23,8	166,6	204,2	101,0
Zakarpattia	—	20,4	152,6	220,5	80,0
Zaporizhzhya	—	15,7	95,3	181,9	63,2
Ivano—Frankivsk	524,7	27,4	167,0	180,9	71,6
Kyiv	406,1	24,5	172,0	196,2	92,0
Kirovohrad	274,8	16,9	124,0	142,0	68,1
Luhansk	—	16,8	197,0	267,4	133,0
Lviv	575,7	27,0	168,9	191,8	101,4
Mykolayiv	—	13,5	105,6	309,9	55,5
Odesa	—	12,7	125,3	150,2	121,1
Poltava	405,5	25,4	185,1	229,6	223,1
Rivne	467,3	26,9	178,0	216,7	137,4
Sumy	c	31,3	161,5	177,1	52,6
Ternopil	478,5	31,8	161,8	227,6	140,1
Kharkiv	383,1	22,4	124,4	181,0	91,8
Kherson	—	15,9	126,0	317,9	56,2
Khmelnyskiy	403,8	32,4	193,0	202,3	157,8
Cherkasy	348,5	24,5	144,7	164,2	82,2
Chernivtsi	c	26,3	171,2	193,7	141,2
Chernihiv	357,7	28,9	167,5	188,2	68,2
city					
Sevastopol	...	...	...	...	...

18.35. Use of fertilisers in enterprises¹

	2000	2005	2010	2015	2017	2018	2019	2020
Mineral fertilisers (in nutrients)								
Applied for the harvest of the reference year, total, thsd.t	281,9	560,5	1064,2	1415,0	2028,1	2150,6	2142,5	2488,7
Including for seeds of agricultural crops	278,7	557,9	1060,6	1412,0	2023,8	2147,4	2138,5	2483,9
Tilled area, mln.ha	4,6	7,8	12,6	14,5	16,5	16,1	16,4	16,4
Share of area fertilizer-treated, percent	22	45	70	81	89	91	91	93
Fertilized per 1 ha of area, kg								
sown area	13	32	58	79	110	121	119	140
tilled area	60	72	84	98	123	134	131	152
Organic fertilizers								
Applied for the harvest of the reference year, thsd.t total	28964,1	13387,3	9963,6	9662,7	9273,9	10674,7	10429,8	10222,9
Including for seeds of agricultural crops	28410,1	13245,8	9874,1	9636,3	9250,3	10643,6	10405,7	10210,0
Tilled area, mln.ha	0,7	0,5	0,4	0,4	0,5	0,8	0,8	1,0
Share of area fertilizer-treated, percent	3	3	2	3	3	4	4	5
Fertilized per 1 ha of area, kg								
sown area	1,3	0,8	0,5	0,5	0,5	0,6	0,6	0,6
tilled area	39,8	28,5	24,4	21,8	18,3	13,7	13,4	10,6

¹ By the range of enterprises defined by statistical methodology

18.36. Utilization of pesticides at enterprises¹

	Fertilized for reporting year harvest, thsd.t of active substance		Tilled area, mln.ha	Share of pesticide-laden area, percent	Fertilized per 1 ha of area, kg	
	Total	including for seeds of agricultural crops			sown area	tilled area
2018	25341,0	24816,6	16,0	89,4	1,4	1,6
2019	24324,0	23918,0	16,1	89,5	1,3	1,5
2020	24621,7	24156,6	16,2	91,3	1,4	1,5

¹ See the footnote to Table 18.35

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CATTLE RAISING

18.37. Number of livestock animals in 1915–2020

(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
2020	2874	1673	5876	1140	621	202	200,6

AGRICULTURE, HUNTING, FORESTRY. FISHERY

18.38. Number of livestock animals, by category of enterprises

(end of year; thsd. heads)

	2000	2005	2010	2015	2017	2018	2019	2020
All categories								
Cattle	9424	6514	4494	3750	3531	3333	3092	2874
of which cows	4958	3635	2631	2167	2018	1919	1789	1673
Pigs	7652	7053	7960	7079	6110	6025	5727	5876
Sheep and goats	1875	1630	1732	1325	1309	1269	1205	1140
of which sheep	963	872	1101	744	727	699	659	621
Poultry, mln. heads	123,7	162,0	203,8	204,0	204,8	211,7	220,5	200,6
Enterprises								
Cattle	5037	2492	1526	1270	1167	1138	1050	1008
of which cows	1851	866	589	505	467	468	439	424
Pigs	2414	2602	3625	3704	3304	3395	3300	3629
Sheep and goats	413	271	299	187	187	182	169	151
of which sheep	412	269	295	181	178	173	159	140
Poultry, mln. heads	25,3	66,6	110,5	112,0	112,5	118,8	127,8	109,7
Agricultural holdings of households								
Cattle	4387	4022	2968	2480	2364	2195	2042	1866
of which cows	3107	2769	2042	1662	1551	1451	1350	1249
Pigs	5238	4451	4335	3375	2806	2630	2427	2247
Sheep and goats	1462	1359	1433	1138	1122	1087	1036	989
of which sheep	551	603	806	563	549	526	500	481
Poultry, mln. heads	98,4	95,4	93,3	92,0	92,3	92,9	92,7	90,9

18.39. Number of livestock animals in 2020, by region

(end of year; thsd. heads)

	Cattle		Pigs	Sheep and goats	Poultry, mln. heads
	total	of which cows			
Ukraine	2874	1673	5876	1140	200,6
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnysya	201	115	240	28	33,6
Volyn	114	75	251	17	8,0
Dnipropetrovsk	112	64	332	53	19,6
Donetsk	50	26	484	35	4,4
Zhytomyr	168	98	137	21	7,2
Zakarpattia	124	86	252	148	3,6
Zaporizhzhya	69	38	177	58	3,9
Ivano-Frankivsk	121	74	306	27	4,3
Kyiv	108	54	555	29	23,5
Kirovohrad	75	46	204	31	4,7
Luhansk	38	19	46	22	0,8
Lviv	144	85	363	32	10,3
Mykolayiv	74	47	73	44	1,9
Odesa	138	86	133	269	2,2
Poltava	192	107	322	45	4,7
Rivne	92	66	226	16	7,5
Sumy	130	67	104	35	4,6
Ternopil	133	86	354	16	5,4
Kharkiv	152	72	193	65	6,7
Kherson	66	43	99	24	5,3
Khmelnyskiy	219	123	324	33	6,6
Cherkasy	137	66	347	26	25,0
Chernivtsi	73	48	146	42	3,4
Chernihiv	144	82	208	24	3,4
city					
Sevastopol	...	...	...	...	...

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18.40. Output of animal products in 1940–2020

	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
2020	2478	9264	16167	1573

18.41. Output of animal products, by category of enterprises

	2000	2005	2010	2015	2017	2018	2019	2020
All categories								
Meat (slaughter weight), thsd.t	1663	1597	2059	2323	2318	2355	2492	2478
of which								
beef and veal	754	562	428	384	363	359	370	345
pork	676	494	631	760	736	703	708	697
poultry	193	497	954	1144	1185	1259	1382	1405
Milk, thsd.t	12658	13714	11249	10615	10281	10064	9663	9264
Eggs, mln.pcs	8809	13046	17052	16783	15506	16132	16678	16167
Wool, t	3400	3195	4192	2270	1967	1908	1734	1573
Enterprises								
Meat (slaughter weight), thsd.t	438	588	1134	1464	1483	1534	1698	1704
of which								
beef and veal	305	154	105	94	95	88	102	85
pork	91	111	256	400	373	360	385	385
poultry	36	320	772	968	1014	1085	1210	1232
Milk, thsd.t	3669	2582	2217	2669	2766	2755	2728	2761
Eggs, mln.pcs	2977	6458	10249	9762	8365	8900	9358	8913
Wool, t	1311	692	710	314	255	236	200	146
Agricultural holdings of households								
Meat (slaughter weight), thsd.t	1225	1009	925	859	835	821	794	774
of which								
beef and veal	449	408	323	290	268	271	268	260
pork	585	383	375	360	363	343	323	312
poultry	157	177	182	176	171	174	172	173
Milk, thsd.t	8989	11132	9032	7946	7515	7309	6935	6503
Eggs, mln.pcs	5832	6588	6803	7021	7141	7232	7320	7254
Wool, t	2089	2503	3482	1956	1712	1672	1534	1427

18.42. Share of animal products production by household holdings

(percentage of total volume)

	2000	2005	2010	2015	2017	2018	2019	2020
Meat (slaughter weight)	73,7	63,2	44,9	37,0	36,0	34,9	31,9	31,2
Milk	71,0	81,2	80,3	74,9	73,1	72,6	71,8	70,2
Eggs	66,2	50,5	39,9	41,8	46,1	44,8	43,9	44,9
Wool	61,4	78,3	83,1	86,2	87,0	87,6	88,5	90,7

18.43. Per capita animal products production

(kg)

	2000	2005	2010	2015	2017	2018	2019	2020
Meat (slaughter weight)	34	34	45	54	55	56	59	59
Milk	257	291	245	248	242	238	230	222
Eggs, pcs	179	277	372	392	365	382	397	387
Wool	0,1	0,1	0,1	0,1	0,1	0,0	0,0	0,0

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18.44. Output of meat, by region

(slaughter weight; thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	1663	1597	2059	2323	2318	2355	2492	2478
Autonomous Republic of Crimea	69	115	144	...	...	...	...	...
oblasts								
Vinnitsya	93	49	62	309	320	351	459	473
Volyn	43	59	94	121	113	114	115	118
Dnipropetrovsk	85	118	207	230	258	247	254	259
Donetsk	86	89	103	90	86	85	84	85
Zhytomyr	64	45	48	53	53	55	57	55
Zakarpattia	45	44	50	53	55	57	58	56
Zaporzhzhya	74	52	57	61	52	49	46	44
Ivano-Frankivsk	52	56	64	86	80	85	91	94
Kyiv	116	165	193	216	233	228	217	215
Kirovohrad	53	45	46	53	51	51	50	52
Luhansk	51	48	45	22	11	7	9	8
Lviv	69	82	115	120	127	131	130	129
Mykolayiv	49	28	29	33	30	34	31	28
Odesa	89	51	46	49	45	42	39	36
Poltava	67	40	50	76	74	69	71	63
Rivne	60	46	50	54	56	58	56	54
Sumy	68	56	40	44	44	45	47	46
Ternopil	48	40	37	55	54	57	58	57
Kharkiv	84	95	83	94	86	81	88	88
Kherson	56	40	42	49	40	41	40	37
Khmelnyskiy	74	48	48	65	65	67	68	61
Cherkasy	74	102	326	314	312	330	349	343
Chernivtsi	29	31	39	41	40	40	41	42
Chernihiv	65	53	40	35	33	31	34	35
city								
Sevastopol	...	...	1	...	...	...	...	...

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18.45. Output of milk, by region

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	12658	13714	11249	10615	10281	10064	9663	9264
Autonomous Republic of Crimea	403	347	348	...	...	...	...	...
oblasts								
Vinnitsya	655	849	836	838	851	825	763	730
Volyn	458	551	450	425	412	391	369	354
Dnipropetrovsk	522	494	340	345	301	294	285	275
Donetsk	473	514	339	228	190	186	174	156
Zhytomyr	656	732	578	578	548	553	518	506
Zakarpattia	360	396	392	358	325	346	350	337
Zaporizhzhya	354	384	262	261	261	244	220	202
Ivano-Frankivsk	523	576	466	474	464	441	429	410
Kyiv	679	693	451	446	436	433	396	384
Kirovohrad	385	395	343	311	306	308	300	272
Luhansk	318	409	284	159	125	127	114	111
Lviv	1032	930	656	571	528	507	481	460
Mykolayiv	347	432	364	344	342	325	299	279
Odesa	532	606	404	385	349	335	321	309
Poltava	589	754	701	794	792	762	759	734
Rivne	436	502	433	437	433	397	358	337
Sumy	480	498	431	418	416	411	396	386
Ternopil	506	485	417	461	451	450	455	468
Kharkiv	540	567	467	524	522	527	519	470
Kherson	320	357	306	300	293	284	283	266
Khmelnyskiy	657	722	608	581	597	624	636	652
Cherkasy	499	519	479	530	508	484	467	461
Chernivtsi	333	368	308	294	282	273	260	248
Chernihiv	601	634	581	553	549	537	511	457
city								
Sevastopol	...	...	5	...	...	...	...	...

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18.46. Output of eggs, by region

(mln.pcs)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	8809	13046	17052	16783	15506	16132	16678	16167
Autonomous Republic of Crimea	447	582	799	...	...	...	...	...
oblasts								
Vinnitsya	349	570	798	857	946	918	934	868
Volyn	159	219	182	194	202	203	205	207
Dnipropetrovsk	437	881	998	924	845	842	846	761
Donetsk	854	1389	1868	629	588	696	890	921
Zhytomyr	271	441	489	590	688	696	694	706
Zakarpattia	230	299	317	340	359	391	411	395
Zaporizhzhya	345	557	740	721	682	667	679	575
Ivano-Frankivsk	236	347	731	593	353	423	487	557
Kyiv	787	1463	2007	2743	2833	3244	3310	3443
Kirovohrad	179	283	499	506	440	463	583	592
Luhansk	380	609	844	125	88	72	73	70
Lviv	466	548	577	537	556	561	581	579
Mykolayiv	164	314	573	284	253	240	275	201
Odesa	657	684	584	355	306	252	205	176
Poltava	405	538	620	668	746	810	829	678
Rivne	194	328	434	565	616	624	642	614
Sumy	285	371	268	415	383	391	411	394
Ternopil	234	290	370	490	483	534	588	583
Kharkiv	479	752	1101	700	555	604	707	636
Kherson	190	250	437	1578	1025	1127	870	809
Khmelnyskiy	160	193	392	1641	1308	1090	1027	973
Cherkasy	379	535	747	669	642	660	793	802
Chernivtsi	183	244	408	364	320	336	348	344
Chernihiv	339	359	257	295	289	288	290	283
city								
Sevastopol	...	...	12	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY. FISHERY

18.47. Productivity of livestock animals

	2000	2005	2010	2015	2017	2018	2019	2020
Average annual milk yield per cow, kg								
All categories	2359	3487	4082	4644	4820	4922	4976	5129
Enterprises	1588	2952	3975	5352	6025	6190	6101	6634
Agricultural holdings of households	2960	3643	4110	4437	4480	4559	4630	4666
Average annual wool yield per sheep, kg								
All categories	3,0	3,5	3,4	2,9	2,8	2,7	2,6	2,7
Enterprises	2,4	2,6	2,3	1,7	1,6	1,5	1,5	1,5
Agricultural holdings of households	3,8	3,8	3,8	3,3	3,2	3,0	2,9	3,0

18.48. Average weight of one livestock animal sold to processing enterprises

(kg)

	2000	2005	2010	2015	2017	2018	2019	2020
All categories								
Cattle	320	381	427	448	452	464	470	479
Pigs	101	112	109	112	109	111	113	113
Sheep and goats	40	44	47	50	50	52	51	50
Enterprises								
Cattle	311	375	409	439	443	456	470	478
Pigs	91	110	108	112	109	111	113	113
Sheep and goats	35	42	47	50	49	49	c	c
Agricultural holdings of households								
Cattle	328	386	452	502	491	497	469	484
Pigs	116	138	132	119	151	140	154	125
Sheep and goats	42	44	48	54	61	69	c	c

18.49. Average annual yield of milk per cow, by region

(kg)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	2359	3487	4082	4644	4820	4922	4976	5129
Autonomous Republic of Crimea	2503	3415	3639	...	...	...	...	...
oblasts								
Vinnitsya	2316	3658	4570	5137	5344	5472	5585	5757
Volyn	2147	3239	3673	4082	4246	4446	4503	4611
Dnipropetrovsk	2231	3710	4018	4387	4123	3975	4075	4075
Donetsk	2399	4213	4438	4426	5492	5406	5307	5171
Zhytomyr	2121	3358	4024	4877	4977	5087	4620	4958
Zakarpattia	2554	2829	3582	3634	3619	3854	3872	3732
Zaporizhzhya	2116	4100	4041	4266	4285	4269	4283	4465
Ivano-Frankivsk	2475	3262	3647	4354	4630	4798	4902	5071
Kyiv	2597	4262	5248	6048	6628	6881	6594	6898
Kirovohrad	2553	3837	4630	4984	5272	5491	5716	5527
Luhansk	2134	3724	4296	4197	4422	4772	4510	5309
Lviv	3132	3590	3861	4180	4348	4514	4654	4881
Mykolayiv	2037	3482	3839	4110	4321	4275	4859	5092
Odesa	2263	3178	3697	3502	3447	3388	3331	3329
Poltava	2352	3963	4826	6016	6113	6120	6133	6262
Rivne	2131	3107	3682	4206	4523	4178	4304	4494
Sumy	2271	3084	4142	4940	5054	5083	5099	5366
Ternopil	2508	3107	3563	4561	4705	5119	5171	5352
Kharkiv	2137	3537	4560	5483	5572	5800	5792	5821
Kherson	2122	3301	3790	4163	4256	4218	4525	5073
Khmelnyskiy	2383	3329	3816	4175	4389	4658	4841	5119
Cherkasy	2389	3732	4682	5724	6012	6111	6276	6601
Chernivtsi	2620	3645	4084	4764	4876	4926	4890	4898
Chernihiv	2177	3159	4075	4735	4970	5223	5268	5233
city								
Sevastopol	...	...	3670	...	...	...	...	...

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18.50. Animal products supplied for processing enterprises

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020

Livestock animals (live weight)

Supply, total¹ **451,9 489,0 1442,9 1689,9 1717,6 1752,3 1891,5 1778,2**

including purchased
from

enterprises 213,4 288,7 406,6 376,5 316,6 302,7 300,0 272,7

agricultural holdings
of households 238,5 200,3 106,1 18,7 25,2 24,8 21,3 10,0

out of the total by type of agricultural animals

cattle 341,9 334,9 224,7 123,8 129,2 124,4 120,6 83,6

pigs 74,5 107,7 230,4 325,3 329,4 308,5 317,3 303,1

poultry 16,7 38,3 947,8 1203,3 1257,4 1317,8 1451,7 1389,4

Milk

Supply, total¹ **3334,8 5689,0 4793,2 4251,2 4348,3 4179,2 3800,0 3511,8**

including purchased
from

enterprises 1819,6 1874,7 2193,0 2743,7 2688,5 2719,9 2610,4 2556,0

agricultural holdings
of households 1515,2 3814,3 2544,2 1346,1 1239,3 1088,6 851,1 733,1

¹ From 2010, including goods for processing and own production of processing enterprises

HUNTING

18.51. Number of hunting animals, by type

	2000	2005	2010	2015	2017	2018	2019	2020
Ungulates, heads	177788	195005	238975	231294	220973	217109	217409	222920
Elk	4771	4510	5524	6439	6409	6222	6285	6214
Deer	15986	17606	19996	15985	17116	16805	17224	18019
Wild boars	36181	43119	61715	56856	37395	30262	27498	28449
Roe deer	118974	126267	147728	149729	157536	161146	164051	167744
European bisons	426	303	268	245	239	245	271	298
Fallow deer	1021	2692	3232	1339	1511	1620	1260	1290
Moufflons	370	419	420	701	765	809	820	906
Koulans	59	89	92	—	2	—	—	—
Fur animals, thsd. heads	2416,4	2348,4	2249,6	1705,5	1728,1	1716,6	1732,1	1703,1
Squirrels	59,5	62,1	66,8	62,8	64,8	64,8	64,5	67,6
Hares	1874,1	1789,8	1645,9	1224,0	1248,5	1248,5	1258,7	1227,4
Martens	53,1	59,5	63,2	57,7	57,2	55,5	54,1	54,4
Foxes	116,3	87,8	79,7	57,1	56,0	50,2	48,6	48,5
Musk-rats	146,4	172,0	187,0	121,3	111,7	107,7	110,7	108,7
Minks	3,4	3,6	5,8	7,5	8,6	13,0	12,5	12,2
Beavers	15,0	23,4	43,1	47,7	51,3	48,6	48,8	49,0
Wolves	2,8	2,6	2,7	2,1	2,3	2,2	2,1	2,0
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	0,1	0,3	0,0
Steppe marmots	76,7	69,8	67,4	48,1	50,0	49,0	54,6	55,0
Raccoon dogs	9,9	10,6	11,2	10,9	10,9	10,4	11,0	11,2
Badgers	24,7	24,7	26,5	25,8	27,9	27,7	28,4	29,4
Otters	8,7	11,7	13,4	13,9	13,7	13,8	14,0	14,4
Black polecats	20,0	21,8	25,7	19,0	17,5	17,2	16,4	16,1
Forest cats	0,6	1,0	1,2	1,2	1,3	1,4	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	5,3	5,4	5,0	4,9
Jackals	...	...	...	0,0	0,2	0,4	0,3	0,2
Furred game, thsd. heads	9417,5	9280,9	10672,9	9756,2	9982,0	10388,2	10522,4	10474,1
including								
Partridges	1013,7	890,1	992,5	677,5	707,4	715,9	734,3	727,9
Wood grouses	3,8	3,8	3,8	3,4	3,0	3,0	3,0	3,1
Black grouses	13,3	12,7	11,0	13,7	11,9	12,5	11,7	11,2
Geese	162,2	103,7	117,5	92,2	111,9	97,4	98,0	88,0
Ducks	3125,3	2892,8	2866,2	2524,3	2560,6	2677,7	2675,5	2608,0
Pheasants	271,2	281,6	336,4	305,4	344,5	367,1	394,8	421,7
Quails	799,3	927,9	1399,2	1239,1	1290,2	1388,5	1395,8	1395,4
Hazel-grouses	16,4	21,6	23,9	20,9	19,7	18,7	18,6	19,1
Swans	55,1	21,9	19,1	27,1	29,1	30,2	32,9	33,8
Bittern	1527,4	1667,1	1892,7	1573,7	1588,2	1599,9	1582,6	1531,8
Sandpipers	1018,0	938,4	1130,1	870,1	822,1	879,5	909,0	877,5
Pigeons	1411,8	1519,3	1880,5	1934,5	2055,6	2145,7	2227,7	2317,4

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FORESTRY

18.52. 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

18.53. Forest products harvesting by type

(thsd.cub.m)

	2000	2005	2010	2015	2017	2018	2019	2020
Types of round wood, total	11261,7	15244,3	16145,6	19267,7	18913,9	19695,7	17886,6	16773,0
Industrial round wood, total	5239,2	6617,0	7536,0	8302,6	7296,6	8976,0	9303,4	8996,3
coniferous species	...	...	...	6647,4	5844,6	6713,2	7314,8	7343,8
broadleaf species	...	...	...	1655,2	1452,0	2262,8	1988,6	1652,5
Low-grade wood	6022,5	8627,3	8609,6	10965,1	11617,3	10719,7	8583,2	7776,7

18.54. Realization of forest products, 2020

(source: the State Forest Agency of Ukraine)

	Number, thsd.cub.m	Value, mln. UAH	Average selling price, UAH for cub.m
Types of round wood, total	15124,0	12366,7	817,7
Industrial round wood, total	7703,1	9288,6	1205,8
coniferous species	6068,3	5575,4	918,8
broadleaf species	1634,8	3713,2	2271,4
Low-grade wood	7420,9	3078,1	414,8

18.55. Timber harvesting

	Felling area, thsd.ha					Volume of the marketable timber produced, thsd.cub.m				
	2005	2010	2015	2019	2020 ¹	2005	2010	2015	2019	2020 ¹
Total	464,7	402,2	399,3	436,8	382,0	15244,3	16145,6	19267,7	20869,6	16773,0
including										
main use felling	27,1	29,1	34,6	29,6	30,1	6455,9	7239,0	8391,8	7914,6	6598,6
forest harvesting and reproduction felling	434,7	371,3	363,1	402,9	348,6	8460,5	8843,4	10767,8	12721,5	10046,3
examination felling	125,6	94,7	94,4	91,9	46,5	1574,0	1255,0	1101,9	1848,0	1102,3
sanitation felling	218,5	224,3	226,9	289,3	286,4	5063,7	6553,6	8994,6	9907,9	8253,5
other felling	2,9	1,8	1,6	4,3	3,3	327,9	63,2	108,1	233,5	128,1

¹ Source: the State Forest Agency of Ukraine

18.56. Wood felling and procurement by species composition of forest range

	Felling areas, thsd.ha				Procured wood, thsd.cub.m			
	2017	2018	2019	2020 ¹	2017	2018	2019	2020 ¹
Total	419,1	445,5	436,8	382,3	21914,8	22529,7	20869,6	17826,2
Pine	229,9	249,9	248,1	221,2 ²	11663,0	12565,9	11292,6	9782,1
Spruce	26,7	26,2	22,8	24,9 ²	2157,7	2191,0	1971,7	1753,1
Other conifers	8,1	8,4	7,1	0,8 ²	492,2	440,8	438,5	40,7
Oak	78,5	79,8	83,2	58,3 ²	2803,4	2804,0	2979,0	1852,9
Beech	26,6	26,6	23,1	19,3 ²	1386,6	1268,9	1098,2	833,8
Other hard-wooded broad leaved	29,3	31,9	31,8	44,4 ²	1508,1	1529,6	1525,6	1860,3
Birch	8,4	9,7	8,6	4,5 ²	801,4	689,1	647,7	604,9
Aspen	2,4	2,6	2,4	2,3 ²	194,0	185,4	133,4	233,5
Alder	7,1	7,6	7,1	3,2 ²	786,8	717,3	670,0	602,5
Other soft-wooded broadleaved	1,8	2,5	2,2	3,4 ²	109,6	125,1	92,6	231,6
Other woody species	0,3	0,2	0,3	0,0	11,8	9,3	18,6	30,8
Shrubs	0,0	0,1	0,1	...	0,2	3,3	1,7	...

¹ See the footnote to Table 18.55

² Estimated data

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18.57. Timber harvesting, by region

	Felling area, thsd.ha				Volume of the marketable timber produced, thsd.cub.m			
	2015	2018	2019	2020 ¹	2015	2018	2019	2020 ¹
Ukraine	399,3	445,5	436,8	382,0	19267,7	19695,7	17886,6	16773,0
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...
oblasts								
Vinnitsya	16,5	17,6	18,4	13,7	686,6	646,2	671,0	584,2
Volyn	22,2	31,3	33,4	23,9	1127,6	1496,6	1291,6	1202,9
Dnipropetrovsk	3,2	2,9	2,7	2,8	83,6	84,7	77,3	67,2
Donetsk	3,1	3,8	4,5	3,8	88,6	67,4	66,6	52,7
Zhytomyr	58,4	68,1	68,0	63,8	3127,3	3488,5	3209,0	2876,0
Zakarpattia	25,3	24,4	22,7	20,7	1451,2	1239,1	1090,3	840,3
Zaporizhzhya	2,5	1,3	1,4	1,4	30,8	20,1	19,2	17,9
Ivano-Frankivsk	28,0	28,3	21,8	18,6	1223,6	1153,8	988,1	831,4
Kyiv	23,2	29,9	35,6	36,9	1565,8	1785,7	1647,4	1728,5
Kirovohrad	4,0	4,7	4,7	4,2	217,5	194,3	191,7	180,0
Luhansk	8,5	10,0	8,2	9,2	169,0	231,2	154,9	176,2
Lviv	24,5	27,8	23,3	19,9	1284,4	1210,6	1027,8	1015,9
Mykolayiv	2,5	1,8	2,1	1,8	37,2	24,9	26,7	22,4
Odesa	5,9	4,3	4,1	2,2	106,2	81,8	75,0	34,1
Poltava	9,0	8,0	8,6	7,7	491,3	369,8	341,3	373,4
Rivne	34,9	42,0	42,8	39,4	1528,9	1794,1	1736,5	1470,7
Sumy	21,2	24,1	23,0	19,9	982,6	1045,3	1001,1	1002,1
Ternopil	9,7	7,5	7,6	5,7	279,9	256,1	269,0	244,9
Kharkiv	13,9	18,4	18,9	15,6	476,7	461,7	534,6	459,6
Kherson	3,1	1,3	1,2	2,0	76,6	54,1	45,2	49,1
Khmelnyskiy	14,1	17,1	15,5	14,4	698,6	836,6	741,4	649,3
Cherkasy	16,3	20,2	17,7	19,9	699,0	762,9	526,5	785,7
Chernivtsi	13,9	12,6	11,2	8,4	828,5	623,7	569,7	540,4
Chernihiv	25,3	29,2	30,5	26,1	1575,0	1547,7	1474,1	1568,1
cities								
Kyiv	10,1	8,9	8,9	—	431,2	218,8	110,6	—
Sevastopol	...	...	...	...	...	...	...	...

¹ See the footnote to Table 18.55

18.58. Forest felling and measures of forestry activities in 2020, by region

(source: the State Forest Agency of Ukraine; thsd.ha)

	Area of felling and measures	Including			
		main use felling	forest maintenance and reproduction felling		other felling
			total	of which test felling	
Ukraine	382,0	30,1	348,6	46,5	3,3
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnnytsya	13,7	1,3	12,2	4,3	0,2
Volyn	23,9	2,8	21,0	2,9	0,1
Dnipropetrovsk	2,8	—	2,8	0,3	0,0
Donetsk	3,8	0,0	3,8	0,3	0,0
Zhytomyr	63,8	5,8	57,6	3,1	0,4
Zakarpattya	20,7	1,4	19,0	2,6	0,3
Zaporizhzhya	1,4	—	1,4	0,2	0,0
Ivano-Frankivsk	18,6	1,4	17,1	3,1	0,1
Kyiv	36,9	1,5	34,6	3,9	0,8
Kirovohrad	4,2	0,1	4,1	0,6	0,0
Luhansk	9,2	0,1	9,0	1,1	0,1
Lviv	19,9	2,8	16,9	1,7	0,2
Mykolayiv	1,8	—	1,8	0,2	0,0
Odesa	2,2	—	2,2	0,1	0,0
Poltava	7,7	0,3	7,3	0,9	0,1
Rivne	39,4	2,8	36,6	3,7	0,0
Sumy	19,9	1,7	17,8	2,5	0,4
Ternopil	5,7	0,7	5,0	1,7	0,0
Kharkiv	15,6	0,3	15,3	2,0	0,0
Kherson	2,0	—	2,0	1,0	0,0
Khmelnyskiy	14,4	1,0	13,2	2,7	0,2
Cherkasy	19,9	1,1	18,6	2,8	0,2
Chernivtsi	8,4	1,9	6,4	2,6	0,1
Chernihiv	26,1	3,1	22,9	2,2	0,1
cities					
Kyiv	—	—	—	—	—
Sevastopol	...	...	...	...	...

18.59. Number of cut non-woof forest products

(t)

	Mushrooms	Berries	Tree sap	Hay	Nuts	Rushes	Christmas tree, thsd.pcs
1995	...	...	...	...	...	...	...
2000	54	...	1129	5373	249	...	58639,7
2005	76	4950	2155	4110	16	—	613,6
2010	474	5731	2909	2388	23	4212	646,9
2015	68	3325	2390	1142	35	4372	420,6
2016	215	5379	2122	1133	4	3425	414,7
2017	665	2491	1276	1247	6	2801	431,6
2018	262	3799	1228	733	9	2073	466,3
2019	438	2057	980	1050	45	1663	522,5
2020	54	1672	357	813	c	—	454,5

18.60. Forest reproduction

(thsd.ha)

	2000	2005	2010	2015	2017	2018	2019	2020
Area where the work on forest cultivation was made	37,8	58,6	70,1	60,4	64,7	51,5	48,8	44,8
including by form of reproduction								
reforestation	37,8	58,6	42,3	57,9	62,5	49,3	46,6	42,5
including								
planting and sowing	29,8	45,8	...	37,9	40,6	32,4	29,9	28,0
natural reproduction	8,0	12,8	...	20,0	21,9	16,9	16,7	14,5
forest cultivation	...	...	27,8	2,5	2,2	2,2	2,2	2,3
including								
planting and sowing	...	...	...	2,5	2,1	2,2	2,2	2,3
natural reproduction	...	...	...	0,0	0,1	0,0	0,0	0,0

18.61. Afforestation by plant species composition

(ha)

	2015	2017	2018	2019	2020
Area where the work on forest cultivation was made	2521	2198	2257	2197	2309
pine	1262	1162	896	771	627
spruce	6	4	5	7	14
other conifers	10	1	3	21	9
oak	301	413	669	661	756
beech	6	6	—	—	3
other hard-wooded broad leaved	844	511	547	660	787
birch	18	30	72	22	25
aspen	2	—	—	—	3
alder	27	25	20	25	57
other soft-wooded broadleaved	38	4	12	8	5
other woody species	7	40	33	22	20
shrubs	—	2	—	—	3

18.62. Areas of forest renewal by forest planting and sowing, by region

(ha)

	2000 ¹	2005	2010	2015	2017	2018	2019	2020
Ukraine	29802	45855	56076	40417	42651	34656	32139	30225
Autonomous Republic of Crimea	89	30	1411	...	...	...	...	...
oblasts								
Vinnnytsya	1008	1276	2791	1963	1897	1559	1403	1335
Volyn	1776	3093	2400	2108	2644	2408	2771	3145
Dnipropetrovsk	522	406	1907	246	91	92	252	309
Donetsk	403	583	1987	241	244	212	210	163
Zhytomyr	3605	5308	4282	6416	7986	5825	5694	5482
Zakarpattya	1687	1955	1122	1361	1140	891	822	769
Zaporizhzhya	438	624	2004	363	6	616	471	444
Ivano-Frankivsk	1577	1699	1080	1772	1732	1468	1060	897
Kyiv	2121	3437	2307	3753	3979	3562	3060	2516
Kirovohrad	389	844	2268	729	749	423	440	346
Luhansk	1756	4160	5849	437	959	814	982	776
Lviv	2572	4138	2422	2413	2598	1870	1458	1206
Mykolayiv	292	666	2498	148	17	12	177	223
Odesa	352	389	3218	265	354	119	37	59
Poltava	552	1701	2035	1810	1593	1227	1062	931
Rivne	1868	2997	3505	4249	5216	4508	3748	3800
Sumy	1383	1921	2214	1935	1794	1464	1487	1384
Ternopil	760	959	839	716	645	682	630	605
Kharkiv	1587	1775	1068	844	1075	542	512	459
Kherson	105	578	1581	690	110	123	67	134
Khmelnyskiy	1120	1884	2053	1432	1473	1314	1344	1202
Cherkasy	1020	949	1393	1313	1555	1281	1206	1081
Chernivtsi	834	1391	1103	990	698	411	403	383
Chernihiv	1903	2894	2656	3977	3849	3002	2695	2463
cities								
Kyiv	82	174	51	246	247	240	148	113
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

18.63. Forest cultivation work and forest protection measures

(thsd.ha)

	2000	2005	2010	2015	2017	2018	2019	2020
Area for shifting crops into the wooded lands	26,9	26,5	40,0	45,5	42,1	41,0	41,1	40,0
Area for shifting the natural renewal into the wooded lands	5,2	7,8	14,8	15,3	14,8	16,4	18,2	17,9
Planted area where the forest protection measures were implemented, total	174,3	234,8	81,9	46,0	46,1	104,5	96,6	94,7
forest protection from pests and diseases by biological method	159,1	188,6	68,4	31,6	31,4	96,9	94,4	85,6
forest protection from pests and diseases by chemical method	15,2	46,2	13,5	14,4	14,7	7,6	2,2	9,1
Area where the new outbreaks of forest pest and diseases were located, total	135,7	151,1	113,0	120,1	234,7	240,3	234,3	202,8
pests	98,9	100,5	46,7	60,2	147,4	133,2	138,2	110,3
diseases	36,8	50,6	66,3	59,9	87,3	107,1	96,1	92,5
Areas where the pests and forest diseases centers were liquidated due to the conducted actions and under the influence of natural factors, total	71,8	223,9	101,0	123,1	154,2	242,9	183,6	222,9
pests	41,9	191,3	48,6	68,6	89,3	164,4	115,8	121,1
diseases	29,9	32,6	52,4	54,5	64,9	78,5	67,8	101,8

18.64. Area of forest ranges dying

(ha)

	2000	2005	2010	2015	2017	2018	2019	2020
Area of forest ranges dying	8908	12085	20864	27768	20111	15069	12398	39756
Including								
Pests	388	860	1295	1183	5439	8762	6223	5492
Diseases	1278	3294	5632	7258	2334	2464	2808	2079
adverse weather conditions	6421	6064	10113	8350	3065	2605	2817	3919
forest fires	696	1437	3127	8564	8763	1085	395	28056
Other	125	430	697	2413	510	153 ¹	155 ¹	210 ¹

¹ In 2018, 2019 and 2020, the indicator of forest plantations loss due to other causes includes: 59 ha, 112 ha and 70 ha due to damage by wild animals, 81 ha, 41 ha and 140 ha due to anthropogenic factors, 13 ha and 2 ha due to excessive humidity

18.65. Forest fires¹

	2000	2005	2010	2015	2017	2018	2019	2020
Incidents	3696	4223	3240	3813	3131	1301	1263	2608
Forest areas suffered from fires, thsd.ha	1,6	2,3	3,7	14,7	5,9	1,5	1,1	75,0
Losses due to forest fires, mln. UAH	1,4	3,5	26,7	20,2	45,9	29,5	6,8	19,1

¹ Since 2018, the State Emergency Service of Ukraine

AGRICULTURE, HUNTING, FORESTRY. FISHERY

FISHERY

18.66. Harvesting of water bio-resources, by type¹

(t)

	2000	2005	2010	2015	2017	2018	2019	2020
Water bio-resources	350087	265585	218681	88552	92645	86223	92682	76508
Fish	346699	234185	215017	73963	81875	64738	58096	48229
including								
European anchovy (Azov anchovy)	...	...	...	1244	1952	685	760	1081
Grass carp	...	...	...	485	471	518	511	594
Silverside	...	...	...	305	166	620	410	241
Bullhead	752	9607	8888	15651	22989	11770	10136	4988
Pondweed bug	...	...	...	244	221	267	245	209
Redeye	...	...	...	147	244	202	188	140
Crucian carp	...	...	...	5305	9367	8133	8848	8443
Flounder	...	216	215	86	109	131	131	157
Sprat (Black and Caspian Sea)	...	...	...	1653	1443	4390	5033	4110
Carp	8519	10531	9858	9807	9017	9184	7570	6960
Bream	2209	1979	2713	2948	3264	3259	3035	2742
Perch	...	...	...	270	432	462	526	487
Herring	73	270	485	155	98	153	375	240
Sturgeon	...	6	21	36	57	71	37	23
Mugil soiuy, mullet	5459	6035	3837	379	770	931	943	582
Silver breams	...	...	...	881	1317	1219	1201	1390
Bruise	...	...	...	137	248	248	210	254
Fresh-water catfish	...	46	207	289	327	340	418	384
Pike-perch	1183	423	367	733	1091	1043	1034	911
Roach (dace)	2421	1077	688	2412	2712	2550	2490	2609
Silver carp	15239	14705	11752	11523	9115	9957	9149	8539
Trout	...	26	171	405	360	370	304	307
Chekhonya	...	...	...	94	133	141	118	117
Pike	...	183	197	297	332	277	308	296
Other water living resources	3388	31400	3664	14589	10770	21485	34586	28279
including								
Crustaceans	10	14077	41	13081	8693	15631	23164	21803
Molluscs	3353	17256	2732	900	1691	c	c	6475

¹ From 2010 data include fishing by natural persons-entrepreneurs

AGRICULTURE, HUNTING, FORESTRY. FISHERY

18.67. Harvesting of water bio-resources, by region¹

(t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	350087	265585	218681	88552	92645	86223	92682	76508
Autonomous Republic of Crimea	126698	34269	15207	...	...	...	...	...
oblasts								
Vinnitsya	1824	1817	1926	2037	1923	1974	1976	1544
Volyn	261	401	423	772	621	537	455	513
Dnipropetrovsk	2717	1997	1794	2035	3717	3598	3700	4427
Donetsk	7777	10811	9887	6362	7573	6285	4315	2847
Zhytomyr	911	833	534	609	658	838	841	412
Zakarpattia	281	388	377	402	319	316	228	147
Zaporizhzhya	3722	9668	11926	22522	25429	12849	9126	5750
Ivano-Frankivsk	357	551	507	610	609	629	517	593
Kyiv	2002	1393	1999	3653	4392	3656	3614	3231
Kirovohrad	1363	1128	1553	1832	2306	2424	1137	1412
Luhansk	1196	370	513	c	266	173	134	156
Lviv	1312	1575	1287	809	817	875	755	656
Mykolayiv	2944	761	3000	1934	10572	18778	26231	23169
Odesa	31512	23258	19527	22245	10933	12802	17059	11313
Poltava	3288	2163	1379	1113	1436	1077	1279	1305
Rivne	504	601	486	520	512	595	367	445
Sumy	1925	2329	2112	2534	2422	2304	1888	1740
Ternopil	286	408	745	239	307	344	412	389
Kharkiv	1025	987	1131	1248	979	1077	954	1022
Kherson	5816	6840	4801	4530	7517	5590	6476	5756
Khmelnytskyi	700	746	176	479	623	668	607	552
Cherkasy	5175	4448	5254	5856	5706	5823	5914	5429
Chernivtsi	522	464	487	1081	772	744	809	586
Chernihiv	397	707	1148	1055	638	734	599	325
cities								
Kyiv	2240	—	19193	c	1598	1533	3289	2789
Sevastopol	143332	156672	111309	...	...	...	...	...

¹ See the footnote to Table 18.66

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).

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	2017	2018	2019	2020
Total	87,5	126,4	108,6	123,6	105,6
Buildings	91,7	121,5	103,5	119,1	93,7
residential	98,9	116,3	100,9	104,8	83,5
non-residential	85,8	126,1	105,7	130,3	100,3
Engineering structures	83,7	131,7	113,6	127,7	115,6

19.2. Construction output, by type of construction output

(percent)

	2010	2015	2017	2018	2019	2020
Total	100,0	100,0	100,0	100,0	100,0	100,0
Buildings	45,6	50,3	50,0	47,3	46,0	39,9
residential	16,1	24,2	22,5	20,8	18,3	14,4
non-residential	29,5	26,1	27,5	26,5	27,7	25,5
Engineering structures	54,4	49,7	50,0	52,7	54,0	60,1

CONSTRUCTION

19.3. Indices of construction output, by region

(percent of the previous year)

	2015	2017	2018	2019	2020
Ukraine	87,5	126,4	108,6	123,6	105,6
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnitsya	104,8	113,3	144,7	177,7	98,7
Volyn	133,8	99,0	100,7	122,4	103,7
Dnipropetrovsk	91,0	136,7	125,1	128,9	86,4
Donetsk	41,5	105,3	136,8	125,4	135,5
Zhytomyr	87,7	142,4	107,3	127,6	75,6
Zakarpattia	115,2	150,7	104,2	122,8	82,0
Zaporizhzhya	97,6	132,7	120,8	96,2	78,1
Ivano-Frankivsk	106,3	134,4	117,9	107,8	98,3
Kyiv	99,7	122,3	103,9	133,9	116,3
Kirovohrad	104,7	166,5	85,8	121,3	64,2
Luhansk	49,2	74,2	87,1	101,1	103,6
Lviv	120,1	111,9	111,5	123,3	122,7
Mykolayiv	122,7	116,5	86,8	150,2	74,0
Odesa	80,2	149,3	111,5	111,3	149,1
Poltava	84,6	119,4	98,4	104,4	102,9
Rivne	64,7	114,4	130,9	127,3	94,5
Sumy	89,3	98,2	92,0	104,9	105,9
Ternopil	95,9	103,1	93,6	126,9	102,2
Kharkiv	102,5	122,9	101,5	112,9	93,1
Kherson	93,8	134,6	98,7	144,7	68,3
Khmelnyskiy	108,9	127,2	121,0	109,0	161,6
Cherkasy	95,4	108,9	123,8	101,4	116,8
Chernivtsi	89,0	109,1	93,3	138,7	99,1
Chernihiv	64,7	130,0	103,1	152,0	123,8
cities					
Kyiv	86,2	133,0	100,9	126,1	99,0
Sevastopol	...	...	...	...	...

CONSTRUCTION

19.4. Total area of residential buildings put into operation, by region¹

(thsd.sq.m of total size)

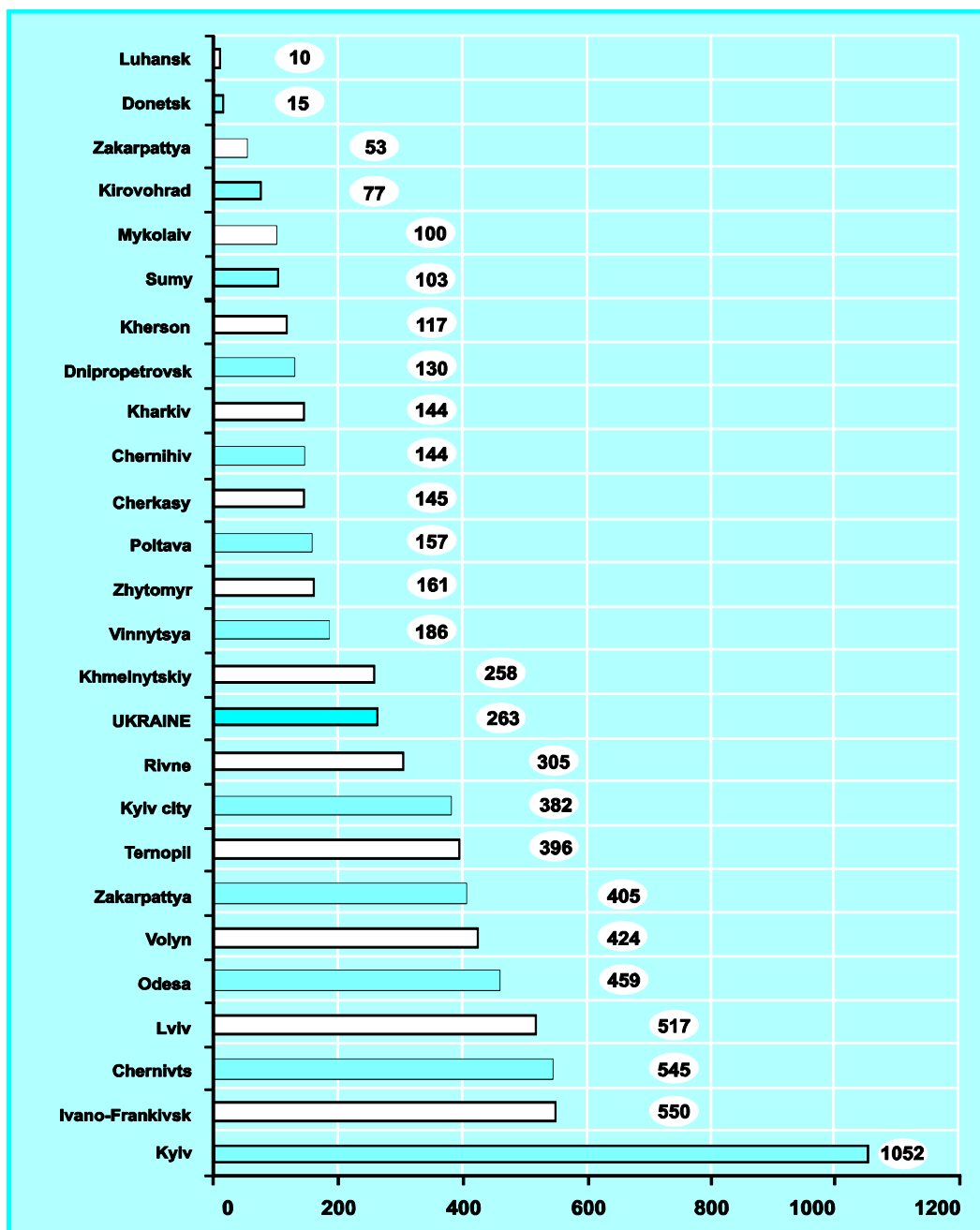
	2000	2005	2010	2015	2017	2018	2019
Ukraine	5558	7816	9339	11044	9217	8689	11029
Autonomous Republic of Crimea	179	283	535	...	...	...	...
oblasts							
Vinnnytsya	141	350	292	391	304	224	287
Volyn	126	155	175	329	308	371	437
Dnipropetrovsk	431	375	226	340	320	284	414
Donetsk	344	329	293	43	38	41	63
Zhytomyr	118	192	201	213	124	146	196
Zakarpattia	213	232	293	442	368	429	507
Zaporizhzhya	131	159	144	101	89	68	90
Ivano-Frankivsk	217	332	600	856	523	404	753
Kyiv	337	635	1184	1864	1719	1541	1861
Kirovohrad	78	108	98	117	41	48	71
Luhansk	181	253	147	22	15	16	21
Lviv	372	499	642	1165	889	897	1292
Mykolayiv	101	123	133	168	52	51	112
Odesa	268	450	640	632	683	568	1087
Poltava	169	210	246	266	206	203	217
Rivne	107	145	207	361	360	319	352
Sumy	110	143	182	157	92	97	111
Ternopil	149	245	288	480	244	261	411
Kharkiv	249	367	416	384	348	529	382
Kherson	128	163	182	113	59	95	121
Khmelnyskiy	168	287	362	469	335	325	324
Cherkasy	109	161	187	193	133	131	173
Chernivtsi	116	201	294	382	187	287	490
Chernihiv	95	153	160	190	118	98	143
cities							
Kyiv	859	1201	1012	1366	1662	1256	1114
Sevastopol	62	65	200	...	...	...	...

¹ For 2010–2016, 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 region¹

(sq.m of total size per 1000 population)



¹ See the footnote to Table 19.4

CONSTRUCTION

19.6. Total area of residential buildings put into operation by types¹

	2005	2010	2015	2017	2018	2019
Thsd.sq.m of total size						
Total	7815,9	9339,3	11044,4	9217,4	8689,4	11029,3
single-family house	4385,7	6266,8	5580,0	3555,6	4247,7	5847,1
houses with two and more apartments	3410,9	3050,4	5435,2	5648,2	4434,6	5176,4
boarding houses	19,3	22,1	29,2	13,6	7,1	5,8
Percentage of total						
Total	100,0	100,0	100,0	100,0	100,0	100,0
single-family house	56,1	67,1	50,5	38,6	48,9	53,0
houses with two and more apartments	43,7	32,7	49,2	61,3	51,0	46,9
boarding houses	0,2	0,2	0,3	0,1	0,1	0,1

¹ See the footnote to Table 19.4

CONSTRUCTION

19.7. Total area of residential buildings put into operation in urban areas, by region¹*(thsd.sq.m of total size)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	4329	6088	6304	7465	6506	5652	6806
Autonomous Republic of Crimea	125	232	378	...	...	...	...
oblasts							
Vinnnytsya	90	214	186	251	231	157	163
Volyn	81	114	94	165	134	161	181
Dnipropetrovsk	381	302	181	259	295	245	359
Donetsk	308	285	253	36	29	29	48
Zhytomyr	84	126	109	140	65	79	100
Zakarpattia	72	137	138	199	158	168	191
Zaporizhya	106	127	107	85	71	51	67
Ivano-Frankivsk	157	227	322	400	264	139	372
Kyiv	197	352	488	832	749	636	767
Kirovohrad	59	84	64	86	33	37	52
Luhansk	141	200	127	18	12	10	17
Lviv	248	344	404	822	648	578	819
Mykolayiv	92	109	119	141	47	47	99
Odesa	215	356	419	530	487	379	714
Poltava	123	161	179	181	144	129	124
Rivne	56	92	107	204	218	162	167
Sumy	83	115	145	132	78	80	90
Ternopil	126	200	188	300	186	161	230
Kharkiv	199	305	333	340	321	493	336
Kherson	101	122	127	81	44	73	82
Khmelnyskiy	117	233	277	411	302	287	258
Cherkasy	82	121	123	148	115	109	133
Chernivtsi	86	126	133	191	113	113	208
Chernihiv	81	141	103	147	100	73	115
cities							
Kyiv	859	1201	1012	1366	1662	1256	1114
Sevastopol	60	62	188	...	...	...	...

¹ See the footnote to Table 19.4

CONSTRUCTION

19.8. Total area of residential buildings put into operation in rural areas, by region¹*(thsd.sq.m of total size)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	1229	1728	3035	3579	2711	3037	4223
Autonomous Republic of Crimea	54	51	157	...	...	...	...
oblasts							
Vinnitsya	51	136	106	140	73	67	124
Volyn	45	41	81	164	174	210	256
Dnipropetrovsk	50	73	45	81	25	39	55
Donetsk	36	44	40	7	9	12	15
Zhytomyr	34	66	92	73	59	67	96
Zakarpattia	141	95	155	243	210	261	316
Zaporizhya	25	32	37	16	18	17	23
Ivano-Frankivsk	60	105	278	456	259	265	381
Kyiv	140	283	696	1032	970	905	1094
Kirovohrad	19	24	34	31	8	11	19
Luhansk	40	53	20	4	3	6	4
Lviv	124	155	238	343	241	319	473
Mykolayiv	9	14	14	27	5	4	13
Odesa	53	94	221	102	196	189	373
Poltava	46	49	67	85	62	74	93
Rivne	51	53	100	157	142	157	185
Sumy	27	28	37	25	14	17	21
Ternopil	23	45	100	180	58	100	181
Kharkiv	50	62	83	44	27	36	46
Kherson	27	41	55	32	15	22	39
Khmelnyskiy	51	54	85	58	33	38	66
Cherkasy	27	40	64	45	18	22	40
Chernivtsi	30	75	161	191	74	174	282
Chernihiv	14	12	57	43	18	25	28
city							
Sevastopol	2	3	12	...	...	...	...

¹ See the footnote to Table 19.4

CONSTRUCTION

19.9. Total area of residential buildings put into operation and the number of apartments built¹

	2000	2005	2010	2015	2017	2018	2019
Total							
Total size, thsd.sq.m	5558	7816	9339	11044	9217	8689	11029
in urban areas	4329	6088	6304	7465	6506	5652	6806
in rural areas	1229	1728	3035	3579	2711	3037	4223
Number of apartments built, thsd.	63	76	77	120	117	103	126
in urban areas	52	63	57	89	91	76	88
in rural areas	11	13	20	31	26	27	38
Per 1000 population							
Total size, sq.m	113	167	204	259	218	206	263
in urban areas	130	192	202	254	223	194	235
in rural areas	77	113	210	269	207	233	327
Number of apartments built	1,3	1,6	1,7	2,8	2,8	2,4	3,0
in urban areas	1,6	2,0	1,8	3,0	3,1	2,6	3,0
in rural areas	0,7	0,8	1,4	2,4	2,0	2,1	3,0

¹ See the footnote to Table 19.4

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

	2015	2017	2018	2019	2020
Mln. UAH					
Total	273116	448462	578726	623979	508217
Investment into material assets	254731	432040	542335	600568	483324
residential buildings	45610	53372	57396	58015	34886
non-residential buildings	43331	65605	88846	100468	78920
engineering structure	50949	78564	111315	149153	127995
machines, equipment and stock	84423	154722	187651	198455	161637
transport vehicles	19650	60124	73926	65871	50075
land	1442	1994	1673	2230	2298
long-term biological assets of crop growing and cattle raising	2762	3728	4528	6000	5247
other material assets	6564	13931	17000	20376	22266
Investment into non-material assets	18385	16422	36391	23411	24893
including					
software and data bases	4908	8196	9476	10215	12411
rights on commercial notations, objects of industrial ownership, author's rights (including entertainment programs and originals of literary and artistic works), patents, licences, concessions, etc ¹	12654	6228	24382	8390	8389
Percentage of total					
Total	100,0	100,0	100,0	100,0	100,0
Investment into material assets	93,3	96,3	93,7	96,2	95,1
residential buildings	16,7	11,9	9,9	9,3	6,9
non-residential buildings	15,9	14,6	15,4	16,1	15,5
engineering structure	18,7	17,5	19,2	23,9	25,2
machines, equipment and stock	30,9	34,5	32,4	31,8	31,8
transport vehicles	7,2	13,4	12,8	10,5	9,9
land	0,5	0,5	0,3	0,3	0,4
long-term biological assets of crop growing and cattle raising	1,0	0,8	0,8	1,0	1,0
other material assets	2,4	3,1	2,9	3,3	4,4
Investment into non-material assets	6,7	3,7	6,3	3,8	4,9
including					
software and data bases	1,8	1,8	1,6	1,6	2,4
rights on commercial notations, objects of industrial ownership, author's rights (including entertainment programs and originals of literary and artistic works), patents, licences, concessions, etc ¹	4,6	1,4	4,2	1,3	1,7

¹ For 2015–2019 the data are updated

CAPITAL INVESTMENT

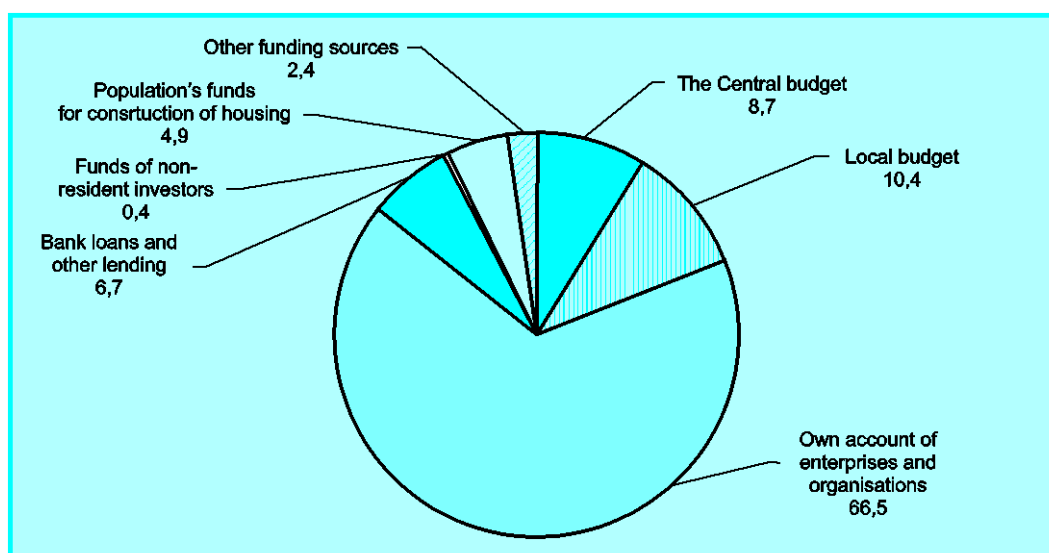
20.2. Structure of capital investments, by source of financing

	(percent)				
	2015	2017	2018	2019	2020 ¹
Total	100,0	100,0	100,0	100,0	100,0
including on account of					
the Central budget	2,5	3,4	3,9	4,9	8,7
local budgets	5,2	9,3	8,7	9,1	10,4
own account of enterprises and organisations	67,5	69,1	70,8	65,4	66,5
bank loans and other lending	7,6	6,6	7,8	10,8	6,7
funds of non-resident investors	3,0	1,4	0,3	0,7	0,4
population's funds for construction of housing	11,7	7,3	6,0	5,2	4,9
other funding sources	2,5	2,9	2,5	3,9	2,4

¹ There and hereafter (Table 20.3, 20.5, 20.7) data for January-December

20.3. Structure of capital investment in 2020, by source of financing

(percent)



CAPITAL INVESTMENT

20.4. Capital investment, by type of economic activity

(mln. UAH)

	2015	2017	2018	2019	2020
Total	273116	448462	578726	623979	508217
Agriculture, forestry and fishing	30155	64243	66104	59130	50680
Agriculture, hunting and related services	29310	63401	65059	58555	50189
Forestry and logging	789	769	980	549	460
Fishing	56	73	65	26	31
Industry	87656	143300	199896	254196	180537
Construction	43464	52176	55994	62347	39615
Wholesale and retail trade; repair of motor vehicles and motorcycles	20663	33665	51818	44174	41685
Wholesale and retail trade and repair of motor vehicles and motorcycles	1469	2826	3103	3467	3628
Wholesale trade, except of motor vehicles and motorcycles	13536	22097	28840	22428	18075
Retail trade, except of motor vehicles and motorcycles	5658	8742	19875	18279	19982
Transport and storage, postal and courier activities	18704	37944	50078	43793	34885
Land and via pipeline transport	8120	22246	31006	24570	20208
Water transport	303	254	198	252	326
Air transport	648	1302	1528	1768	856
Warehousing and support activities for transport	9529	13758	16962	17144	12967
Postal and courier activities	104	384	384	59	528
Accommodation and food service activities	1393	2134	2675	2832	1951
Accommodation	890	1380	1473	983	840
Food and beverage service activities	503	754	1202	1849	1111
Information and communication	22975	18395	29885	21063	22382
Publishing, audiovisual and broadcasting activities	2304	3568	4745	5766	5194
Telecommunications	19537	12777	21318	11734	14297
IT and other information services	1134	2050	3822	3563	2891
Financial and insurance activities	6448	8055	10652	11246	11979
Real estate activities	11899	22506	27557	28147	19940
Professional, scientific and technical activities	4065	7965	10798	11912	11823
Legal, accounting, management, architecture, engineering, technical testing and analysis activities	3244	5562	7752	8301	8470
Scientific research and development	518	1110	1511	2058	2076
Advertising and market research, other professional, scientific and technical activities, veterinary activities	303	1293	1535	1553	1277
Administrative and support service activities	6535	12747	11838	11741	8624
Public administration and defence, compulsory social security	13942	32844	44598	54306	62303
Education	1540	3493	4460	4789	3740
Human health and social work activities	2367	6708	8139	9485	14836
Arts, entertainment and recreation	1044	1649	3663	4146	2773
Other services	266	638	571	672	464

CAPITAL INVESTMENT

20.5. Indices for capital investment, by type of economic activity*(percent of the previous year)*

	2015	2017	2018	2019	2020
Total	98,3	122,1	116,4	115,5	61,8
Agriculture, forestry and fishing	127,1	130,7	108,5	90,0	54,7
Agriculture, hunting and related services	126,1	131,2	108,4	90,4	54,6
Forestry and logging	166,1	100,0	115,5	60,7	65,5
Fishing	248,5	153,7	106,4	75,9	53,6
Industry	80,1	123,4	122,2	134,7	56,4
Construction	96,4	110,5	86,1	109,8	60,3
Wholesale and retail trade; repair of motor vehicles and motorcycles	75,7	113,0	149,1	100,3	60,8
Wholesale and retail trade and repair of motor vehicles and motorcycles	122,8	149,0	102,5	130,6	65,2
Wholesale trade, except of motor vehicles and motorcycles	72,4	114,3	132,8	96,5	51,5
Retail trade, except of motor vehicles and motorcycles	76,8	102,9	201,0	101,4	73,5
Transport and storage, postal and courier activities	93,0	142,2	121,9	96,6	56,8
Land and via pipeline transport	166,7	147,4	124,3	89,4	64,2
Water transport	129,3	105,3	84,5	129,7	67,1
Air transport	166,5	160,6	135,9	109,6	24,1
Warehousing and support activities for transport	64,2	130,4	117,6	110,9	45,7
Postal and courier activities	56,8	336,7	94,4	16,8	734,7
Accommodation and food service activities	67,4	102,9	106,7	148,7	55,2
Accommodation	61,4	116,8	88,5	106,0	57,5
Food and beverage service activities	76,7	89,5	129,8	185,5	54,0
Information and communication	221,8	102,0	141,9	83,4	87,3
Publishing, audiovisual and broadcasting activities	100,4	103,5	134,0	124,8	68,9
Telecommunications	261,6	102,5	142,5	67,3	102,7
IT and other information services	139,1	97,1	149,0	140,5	60,7
Financial and insurance activities	82,3	102,4	130,4	102,8	76,6
Real estate activities	82,5	84,1	114,4	111,7	67,1
Professional, scientific and technical activities	117,9	132,4	107,5	131,4	77,3
Legal, accounting, management, architecture, engineering, technical testing and analysis activities	112,5	119,9	104,0	125,8	86,9
Scientific research and development	124,7	222,1	107,8	162,3	59,0
Advertising and market research, other professional, scientific and technical activities, veterinary activities	184,3	135,5	127,8	120,2	57,9
Administrative and support service activities	136,9	118,7	77,8	137,2	61,1
Public administration and defence, compulsory social security	226,2	144,9	115,3	129,9	92,6
Education	152,7	168,4	108,4	131,6	54,3
Human health and social work activities	145,8	189,5	105,8	146,6	52,5
Arts, entertainment and recreation	144,2	165,9	185,8	117,1	28,9
Other services	106,7	166,6	78,6	114,7	78,1

CAPITAL INVESTMENT

20.6. Capital investment, by type of economic activity in industry*(mln. UAH)*

	2015	2017	2018	2019	2020
Industry	87656	143300	199896	254196	180537
Mining and quarrying	18466	35552	53984	68521	50343
Manufacturing	46219	73884	100870	105878	84408
Manufacture of food products, beverages and tobacco products	13548	18927	30213	31889	28875
Manufacture of textiles, apparel, leather and related products	987	1882	1846	1492	1202
Manufacture of wood and paper products, and printing	4031	6841	7533	9994	6191
Manufacture of coke, and refined petroleum products	580	979	1503	1831	1986
Manufacture of chemicals and chemical products	1680	2981	2792	2488	2496
Manufacture of pharmaceuticals, medicinal chemical and botanical products	1623	1879	2433	2425	2907
Manufacture of rubber and plastics products, and other non-metallic mineral products	3818	10440	13132	10873	9230
Manufacture of basic metals and fabricated metal products, except machinery and equipment	12470	17829	26376	31093	19996
Manufacture of computer, electronic and optical products	420	756	956	657	608
Manufacture of electrical equipment	585	1485	1900	1759	1443
Manufacture of machinery and equipment n.e.c.	1945	3291	4057	3176	3177
Manufacture of transport equipment, trailers, and semitrailers and other	3332	4781	5578	5374	3975
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	1200	1813	2551	2827	2322
Electricity, gas, steam and air-conditioning supply	21347	31021	41784	75612	42132
Water supply, sewerage, waste management and remediation	1624	2843	3258	4185	3654

CAPITAL INVESTMENT

20.7. Indices for capital investment, by type of economic activity in industry*(percent of the previous year)*

	2015	2017	2018	2019	2020
Industry	80,1	123,4	122,2	134,7	56,4
Mining and quarrying	73,9	151,4	141,5	138,1	55,2
Manufacturing	86,3	129,1	121,1	125,8	54,9
Manufacture of food products, beverages and tobacco products	75,9	107,4	123,6	148,9	53,5
Manufacture of textiles, apparel, leather and related products	135,9	113,8	90,4	76,9	67,3
Manufacture of wood and paper products, and printing	150,0	180,3	104,5	154,0	69,4
Manufacture of coke, and refined petroleum products	90,2	114,3	150,2	167,3	63,9
Manufacture of chemicals and chemical products	72,3	176,9	84,6	99,1	71,0
Manufacture of pharmaceuticals, medicinal chemical and botanical products	91,0	111,9	124,3	112,5	91,7
Manufacture of rubber and plastics products, and other non-metallic mineral products	83,1	150,6	124,7	95,6	54,3
Manufacture of basic metals and fabricated metal products, except machinery and equipment	83,5	126,7	134,6	129,7	47,4
Manufacture of computer, electronic and optical products	130,7	120,7	103,3	86,8	52,9
Manufacture of electrical equipment	99,3	148,1	109,2	101,0	56,1
Manufacture of machinery and equipment n.e.c.	74,1	133,4	123,5	93,9	56,5
Manufacture of transport equipment, trailers, and semitrailers and other	107,2	137,3	119,8	98,6	50,3
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	94,3	145,8	99,5	127,4	53,1
Electricity, gas, steam and air-conditioning supply	72,3	90,8	103,0	157,9	60,6
Water supply, sewerage, waste management and remediation	123,2	129,2	105,8	137,4	66,8

21. TRANSPORT

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.

TRANSPORT

TRANSPORT

21.1. Freight shipped in 1940–2020, 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
2020	306	1232	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	2017	2018	2019	2020
Transport	1529	1805	1765	1474	1582	1643	1579	1641
Land	1514	1784	1754	1468	1576	1637	1573	1635
rail ¹	357	450	433	350	339	322	313	306
road ¹	939	1121	1168	1021	1122	1206	1147	1232
pipeline	218	213	153	97	115	109	113	97
Water	15	21	11	6	6	6	6	6
sea	6,3	8	4	3	2	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

21.3. Share of freight shipped, by mode of transport

(percent)

	2000	2005	2010	2015	2017	2018	2019	2020
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	20	20	19
road ¹	61	62	66	69	71	73	73	75
pipeline	15	12	9	7	7	7	7	6
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	2017	2018	2019	2020
Transport	99,5	104	109	91	103	104	96	104
Land	99	104	109	91	103	104	96	104
rail ¹	107	97	111	91	99	95	97	98
road ¹	98	109	109	90	103	107	95	107
pipeline	94	96	99	98	108	95	103	87
Water	101	104	113	108	88	95	109	92
sea	98	98	87	117	74	84	112	86
river	103	109	136	100	100	102	107	95
Air ²	206	125	103	88	112	120	93	95

¹ See the relevant footnotes to Table 21.1

² See the second footnote to Table 21.2

TRANSPORT

21.5. Freight traffic in 1940–2020, 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
2020	313,2	175,6	65,1	1,5	1,4	69,3	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

21.6. Freight traffic, by mode of transport

(bln.tkm)

	2000	2005	2010	2015	2017	2018	2019	2020
Transport	394,1	473,6	418,7	334,7	364,2	361,3	355,0	313,2
Land	379,6	457,4	409,3	329,1	359,6	357,6	351,3	310,0
rail ¹	172,8	224,0	218,1	195,1	191,9	186,3	181,8	175,6
road ²	19,3	35,3	53,9	53,3	62,3	72,1	65,0	65,1
pipeline	187,5	198,1	137,3	80,7	105,4	99,2	104,5	69,3
Water	14,5	15,9	9,0	5,4	4,3	3,4	3,4	2,9
sea	8,6	9,6	5,2	3,9	2,9	1,8	1,8	1,5
river	5,9	6,3	3,8	1,6	1,4	1,6	1,6	1,4
Air ³	0,0	0,3	0,4	0,2	0,3	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	2017	2018	2019	2020
Transport	100	100	100	100	100	100	100	100
Land	97	97	98	98	99	99	99	99
rail ¹	44	47	52	58	53	52	51	56
road ²	5	7	13	16	17	20	18	21
pipeline	48	42	33	24	29	27	30	22
Water	3	3	2	2	1	1	1	1
sea	2	2	1	1	1	1	0,5	0,5
river	1	1	1	0,5	0,4	0,4	0,5	0,4
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

TRANSPORT

21.8. Freight shipped, by rail of general use¹

(mln.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Total shipment	357	450	433	350	339	322	313	306
coal	98	120	118	73	67	65	59	49
coke	11	11	11	8	6	6	5	5
oil and oil products	27	27	31	17	14	12	12	11
ferrous metals (including scrap)	45	49	40	29	26	25	24	22
timber	3	5	5	5	4	3	1	1
grains, cereals and flour	6	13	13	29	37	34	40	35
ore	65	80	82	85	70	71	75	80
cement	4	9	6	6	6	6	6	6
chemical and mineral fertilisers	10	12	12	10	12	9	9	9
other freight	88	124	115	88	97	91	82	88

¹ See the first footnote to Table 21.1

21.9. Freight shipped, by river

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Total shipment	8350	12869	6989	3156	3640	3698	3990	3788
By type of freight								
oil and oil products	—	27	3	—	1	0	—	3
coal	245	1210	618	86	163	144	53	34
coke	240	160	296	36	23	10	1	7
all kind of ores	1594	3086	2250	465	343	524	642	145
construction	3791	5891	3027	1174	1576	1462	1863	2074
chemical and mineral fertilisers	116	206	89	166	158	188	145	204
timber	9	4	—	4	1	—	1	1
paper	4	31	6	3	—	1	2	—
all kind of metals	1599	795	189	481	300	382	408	308
machines and equipment	48	38	26	—	1	0	1	1
sugar	11	43	1	—	—	14	10	—
grains, cereals and flour	211	920	287	561	377	419	451	568
cotton, flax	4	—	—	—	—	—	—	—
freight in containers	26	—	3	1	—	—	—	—
other freight	452	458	194	179	697	554	413	443
By type of communication route								
international	4314	5828	3322	1189	1205	1240	1422	1102
coastal	4036	7041	3667	1967	2435	2458	2568	2686

TRANSPORT

21.10. Freight shipped, by sea

(thsd.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Total shipment	6316	8575	4068	3292	2253	1892	2120	1812
By type of freight								
oil and oil products	344	10	249	71	32	30	30	7
coal	271	99	45	28	—	—	5	—
coke	89	37	—	6	34	23	18	3
all kind of ores	1038	758	206	892	272	38	58	—
construction	965	1812	704	110	95	71	96	188
chemical and mineral fertilisers	201	211	46	32	10	12	9	20
timber	262	259	30	7	4	6	2	—
paper	97	25	0	3	—	3	7	—
all kind of metals	1003	2038	535	1170	1063	1006	1030	1067
grains, cereals and flour	247	1062	656	110	204	473	587	317
freight in containers	733	781	92	30	8	0	—	—
other freight	1066	1483	1505	833	531	230	278	210
By type of communication routes								
international	5241	6334	2959	2046	1408	1207	1089	969
coastal	1075	2241	1109	1246	845	685	1031	843

TRANSPORT

21.11. Freight shipped by road, by region¹

(mln.t)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	938,9	1120,8	1168,2	1020,6	1121,7	1205,5	1147,0	1232,4
Autonomous Republic of Crimea	17,0	20,1	22,4	...	...	...	...	...
oblasts								
Vinnitsya	28,3	26,9	30,1	30,0	27,8	29,2	30,0	31,7
Volyn	7,6	10,3	10,1	10,6	13,0	13,4	13,1	12,4
Dnipropetrovsk	234,9	303,7	359,2	300,4	328,1	324,4	336,6	391,0
Donetsk	125,3	170,5	149,8	77,0	105,1	112,7	92,5	95,5
Zhytomyr	29,3	35,0	40,1	52,1	43,4	43,3	39,0	43,2
Zakarpattia	10,8	13,7	11,9	9,1	8,7	8,8	9,8	10,1
Zaporizhzhya	40,0	46,3	64,9	28,5	30,4	30,7	30,7	32,1
Ivano-Frankivsk	13,1	10,0	9,1	14,3	20,2	12,0	14,1	15,1
Kyiv	36,3	33,5	41,0	40,6	48,9	56,3	51,5	81,3
Kirovohrad	16,3	25,1	28,1	43,8	45,8	49,2	38,5	32,2
Luhansk	26,1	31,8	24,3	27,3	4,9	4,7	4,8	4,0
Lviv	29,6	20,3	19,5	20,6	23,2	25,8	24,4	25,0
Mykolayiv	13,6	30,8	21,9	19,5	20,5	21,3	20,6	20,6
Odesa	24,9	23,0	26,3	22,2	24,1	29,0	28,8	29,3
Poltava	95,3	108,9	142,1	161,4	173,0	171,8	160,1	167,1
Rivne	15,5	18,4	13,7	12,5	19,2	17,1	19,5	22,9
Sumy	19,4	13,4	10,8	11,6	12,6	12,7	12,4	14,8
Ternopil	13,0	9,5	9,6	13,8	16,7	18,4	16,2	18,6
Kharkiv	27,8	36,5	28,8	28,3	32,4	32,8	29,6	27,7
Kherson	13,2	11,4	13,6	10,9	13,4	14,0	15,0	11,1
Khmelnyskiy	25,3	24,6	21,4	27,6	32,2	33,5	30,4	37,5
Cherkasy	33,9	46,7	24,1	25,0	30,1	42,7	34,6	23,4
Chernivtsi	5,7	8,3	7,2	4,7	6,9	7,0	7,4	4,4
Chernihiv	13,2	15,0	12,4	10,3	11,7	11,9	12,5	13,6
cities								
Kyiv	16,4	17,8	19,0	18,5	29,4	82,8	74,9	67,8
Sevastopol	7,1	9,3	6,8	...	...	...	...	...

¹ See the second footnote to Table 21.1

TRANSPORT

21.12. Road freight traffic, by region¹

(mln.tkm)

	2000	2005	2010	2015	2017	2018	2019	2020
Ukraine	19281,6	35244,0	53918,4	53293,4	62296,8	72068,3	64952,9	65176,9
Autonomous Republic of Crimea	489,2	737,4	895,9	...	...	...	...	...
oblasts								
Vinnnytsya	582,2	1034,5	1532,8	1650,9	1672,7	1783,1	1817,8	1951,2
Volyn	321,3	998,3	1690,5	1838,4	2401,7	2770,3	2966,5	2885,5
Dnipropetrovsk	1389,7	2180,6	3587,1	3641,6	4815,6	5138,0	4888,4	5302,7
Donetsk	1301,9	2202,4	2897,1	2238,3	2367,3	2125,6	1073,1	992,6
Zhytomyr	482,2	724,4	1038,1	1014,6	990,9	1117,7	1124,6	1029,2
Zakarpattia	423,5	1755,5	2754,3	4676,1	5285,6	5073,1	5002,1	4410,6
Zaporizhzhya	2838,9	2912,1	1758,7	1278,4	1522,8	1499,6	1532,0	1581,9
Ivano-Frankivsk	327,5	520,8	1477,4	1507,5	1690,9	1486,4	1488,3	1522,0
Kyiv	1103,2	2402,5	4147,4	3424,2	4191,6	6349,2	4253,8	6020,5
Kirovohrad	263,2	561,5	1083,1	1738,8	1470,5	1582,1	1142,1	1080,8
Luhansk	887,5	1697,5	2706,3	1203,6	477,2	482,5	651,4	498,8
Lviv	1748,8	1911,3	3878,0	4344,8	4604,1	5317,6	5150,1	5127,7
Mykolayiv	272,8	848,3	1393,4	1268,7	1466,5	1656,8	1785,5	1834,0
Odesa	623,5	1264,0	2531,0	2776,8	2886,9	3828,8	3693,5	3543,1
Poltava	866,2	1611,0	2776,7	3158,6	2563,0	2732,8	2326,7	2660,3
Rivne	434,1	939,5	1518,4	1247,7	2270,0	2154,8	2055,8	2145,5
Sumy	490,2	603,0	670,0	651,2	765,8	890,3	1175,1	1239,8
Ternopil	308,6	551,8	1034,6	1123,0	1321,9	1381,1	1229,7	1391,5
Kharkiv	611,0	1778,6	3156,5	2653,1	4478,3	4553,9	3783,4	3233,6
Kherson	282,9	638,6	1139,1	1269,1	1353,5	1371,0	1375,7	1069,5
Khmelnyskiy	587,3	1248,7	2044,8	2344,7	2151,3	2103,0	2049,3	1807,8
Cherkasy	661,3	1194,2	1675,3	2599,8	3074,6	3480,9	2270,9	1821,9
Chernivtsi	193,6	372,6	1026,7	1035,1	1272,3	1425,5	1561,4	845,4
Chernihiv	288,0	773,1	1201,2	719,4	1173,8	1272,3	1347,3	1373,2
cities								
Kyiv	1434,9	3657,8	4130,2	3889,0	6028,0	10491,9	9208,4	9807,8
Sevastopol	68,1	124,0	173,8	...	...	...	...	...

¹ See the second footnote to Table 21.1

TRANSPORT

21.13. Passenger transportation by mode of transport in 1940–2020

(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
2020	68	1084	0	0	5	423	579	411

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 *Ukrzaliznythya* 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

TRANSPORT

21.14. Passenger transportation by mode of transport

(mln.)

	2000	2005	2010	2015	2017	2018	2019	2020
Transport	7780	8200	6845	5167	4648	4487	4262	2570
Land	7773	8183	6831	5160	4637	4474	4247	2565
rail ¹	499	445	427	390	165	158	155	68
bus ²	2557	3837	3726	2250	2019	1907	1805	1084
tram	1381	1111	714	739	676	666	627	423
trolley-bus	2582	1903	1204	1081	1058	1016	945	579
subway	754	887	760	700	719	727	715	411
Water	6	13	8	1	1	1	1	0
sea	4	11	7	0	0	0	0	0
river	2	2	1	1	1	1	1	0
Air ³	1	4	6	6	10	12	14	5

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 2020, automobile transportation of passengers by small businesses amounted to 358,0 mln. passengers.

21.15. Indices of the number of passengers transported by mode of transport

(percent of the previous year)

	2000	2005	2010	2015	2017	2018	2019	2020
Transport	98	103	94	88	100	97	95	60
Land	98	103	94	88	100	96	95	60
rail ¹	102	99	100	100	98	96	98	44
bus ²	102	103	93	77	99,7	94	95	60
tram	95	100	91	96	97	99	94	67
trolley-bus	94	103	94	99	102	96	93	61
subway	104	105	101	96	103	101	98	58
Water	111	115	99	97	124	113	101	46
sea	122	117	107	87	94	251	110	66
river	95	105	65	97	126	106	100	43
Air ³	107	118	119	97	128	119	109	35

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

**21.16. Passenger traffic in 1940–2020, 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
2020	39,9	10,7	19,1	0,0	0,0	10,1

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

TRANSPORT

21.17. Passenger turnover by mode of transport

(bln. passenger.km)

	2000	2005	2010	2015	2017	2018	2019	2020
Transport	113,1	135,8	130,0	97,0	99,4	104,4	107,2	49,0
Land	111,3	129,6	118,9	85,6	79,0	78,5	76,9	38,9
rail ¹	51,8	52,7	50,2	35,4	28,1	28,7	28,4	10,7
bus ²	28,8	52,5	52,0	34,6	35,5	34,6	33,9	19,1
tram	9,0	6,5	4,0	4,2	3,9	3,9	3,7	2,5
trolley-bus	16,8	11,2	6,9	6,1	6,0	5,8	5,4	3,5
subway	4,9	6,7	5,8	5,4	5,5	5,5	5,5	3,1
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	20,4	25,9	30,3	10,1

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	2017	2018	2019	2020
Intercity transportation	154	226	227	170	182	181	184	91
rail (long distance) ¹	45	60	62	40	46	47	46	16
sea (including commuter)	4	11	7	0	0	0	0	0
air ²	1	4	6	6	10	12	14	5
bus (including international connection) ³	97	144	148	124	126	122	124	70
trolley-bus	7	7	4	...	...	...	...	...
Intracity transportation	6452	6860	5597	4186	3954	3845	3655	2237
bus ³	1742	2966	2923	1666	1501	1436	1368	824
trolley-bus	2575	1896	1200	1081	1058	1016	945	579
tram	1381	1111	714	739	676	666	627	423
subway	754	887	760	700	719	727	715	411
Commuter transportation	1174	1114	1021	811	512	461	423	242
rail ⁴	454	385	365	350	119	111	109	52
river	2	2	1	1	1	1	1	0
bus ³	718	727	655	460	392	349	313	190

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

TRANSPORT

21.19. Rolling stock, by mode of transport and purpose

(end of year; units)

	2000	2005	2010	2015	2017	2018	2019	2020
Rail transport¹								
diesel locomotive ²	2741	2572	2539	2151	1924	1944	1986	1982
electric locomotives ²	1796	1797	1861	1720	1627	1627	1628	1596
steam locomotives ²	140	66	51	24	23	22	22	22
freight stock ³ , thsd.	185,7	150,3	120,6	107,9 ⁴	104,1 ⁴	106,4 ⁴	105,8 ⁴	105,9 ⁴
passenger stock ⁵ , thsd.	9,0	7,9	7,3	5,2	4,5	4,3	4,0	3,8
River boats⁶	2025	1962	2064	1321	1401	x	x	x
Sea crafts⁶	878	1177	1084	2485	3334	x	x	x
Electric transport								
trolley-bus	5313	4554	3710	2792	2730	2670	2744	2980
tram-cars	3459	2905	2522	1961	1971	1967	1933	1922
transit vehicles	925	993	1119	1195	1192	1192	1192	1192
Airplanes and helicopters	954	659	395	196	200	205	205	155

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 2020 the State Vessels Register of Ukraine registered 703 vessels are sea vessels, 1313 vessels are river vessels, 240 vessels are vessels of combine navigation area, 10188 vessels are leisure boats with the engine turning up 75 horsepower and more. At the end of 2020 in Ukraine's Vessel Book, over 111,8 thsd. leisure boats with engine turning up to 75 horsepower are registered.

TRANSPORT

ROADS

21.20. Length of transport network in 1940–2020

(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
2020	19,8	9,3	1,9	0,7	162,2	158,7

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

21.21. Operational length of transport network

(thsd.km)

	2000	2005	2010	2015	2017	2018	2019	2020
Public railroads ¹	22,3	22,0	21,7	21,0	19,8	19,8	19,8	19,8
Public navigable river routes ²	2,4	2,2	2,2	1,6	2,1	1,9	1,9	1,9
Public automobile roads ³	169,5	169,3	169,5	163,0	163,1	161,9	161,9	162,2
including with hard coating	163,8	165,0	165,8	159,4	159,6	158,5	158,4	158,7
Trolley-bus routes (single-track)	4,3	4,4	4,4	3,3	3,4	3,4	3,4	3,4
Tram routes (single-track railroads)	2,1	2,1	2,0	1,6	1,6	1,5	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

TRANSPORT

21.22. Average distance of freight transport, by mode

(km)

	2000	2005	2010	2015	2017	2018	2019	2020
Rail ¹	484	497	504	557	565	578	581	575
Sea	1362	1120	1271	1173	1264	963	837	830
River	706	491	549	498	391	417	406	362
Road	21	31	46	52	56	60	57	53
Pipeline	859	932	895	830	918	907	928	711

¹ See the first footnote to Table 21.5

21.23. Average distance of passenger transport, by mode

(km)

	2000	2005	2010	2015	2017	2018	2019	2020
Rail ¹	104	118	118	91	170	182	184	157
Sea	15	6	8	559	377	29	17	13
River	12	24	42	15	35	43	41	13
Air	1489	1608	1794	1803	1928	2066	2206	2107
Bus	11	14	14	15	18	18	19	18
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

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	2020	2005	2010	2015	2020
Total	34228,4	51405,2	38127,1	49191,8	36136,3	60742,2	37516,4	54336,1
including								
Australia	9,6	23,6	10,7	42,3	85,3	246,6	159,3	25,7
Austria	317,3	508,0	347,2	580,0	458,4	697,6	369,6	559,7
Azerbaijan	290,5	610,8	318,8	346,8	27,8	951,2	30,3	318,5
Algeria	617,2	159,3	205,6	357,3	4,9	4,9	17,1	7,2
Argentina	15,9	39,8	9,6	5,7	38,5	106,1	52,6	58,9
Bangladesh	18,4	112,7	207,0	358,2	2,1	17,8	54,0	97,7
Belgium	197,6	356,9	296,8	560,9	314,0	588,3	366,8	526,4
Belarus	891,1	1899,2	870,7	1335,3	939,8	2567,6	2449,1	2874,5

FOREIGN ECONOMIC ACTIVITY

Table 22.1 continued

	Exports				Imports			
	2005	2010	2015	2020	2005	2010	2015	2020
Bulgaria	543,0	450,6	419,5	511,5	108,7	218,0	253,1	289,9
Brazil	110,0	359,9	33,5	64,3	312,5	459,7	166,1	266,8
Viet Nam	145,3	136,7	87,0	184,3	41,3	117,6	252,0	460,5
Armenia	97,3	201,3	101,6	112,2	13,2	17,9	7,4	17,6
Ghana	24,4	57,5	37,5	81,5	55,5	209,4	104,2	133,6
Guinea	10,0	13,6	13,3	15,5	115,9	106,1	114,1	144,2
Hong Kong, Special administrative region of China	5,0	26,3	15,4	71,0	10,3	30,6	12,2	83,5
Greece	137,4	164,0	153,8	178,8	67,7	104,1	238,6	317,0
Georgia	199,5	527,5	402,7	366,4	41,0	136,1	61,8	135,4
Denmark	106,7	124,5	144,7	216,9	176,0	240,5	147,6	220,9
Ecuador	34,3	11,8	1,8	6,7	66,3	161,2	119,4	120,5
Estonia	125,1	106,3	66,2	109,7	102,6	123,4	77,5	177,6
Ethiopia	39,7	65,9	138,0	140,1	0,1	1,0	1,4	4,4
Egypt	798,8	1328,0	2079,8	1617,8	37,1	84,2	55,6	80,9
Israel	290,7	467,6	597,1	563,5	63,0	91,5	169,9	171,0
India	736,9	1426,0	1444,1	1972,1	321,3	680,7	443,7	721,9
Indonesia	216,4	352,6	185,9	735,6	124,0	408,6	168,8	278,0
Iraq	77,6	345,0	472,5	597,6	0,2	0,5	0,0	0,3
Iran (Islamic Republic of)	576,9	1030,7	533,6	258,8	18,2	49,9	30,5	48,2
Ireland	6,7	4,5	59,2	94,4	45,2	112,1	75,4	209,3
Spain	573,5	411,7	1043,6	1250,2	233,5	468,6	440,8	735,1
Italy	1892,6	2412,4	1979,8	1928,9	1030,2	1390,3	976,3	2128,7
Jordan	182,1	518,5	135,8	181,1	10,8	21,1	4,8	6,1
Kazakhstan	667,1	1300,4	712,7	336,1	186,4	766,2	377,6	424,4
Canada	90,1	73,3	30,2	81,3	87,0	160,2	206,3	201,4
China	711,1	1316,6	2399,1	7099,9	1810,5	4700,4	3771,0	8318,4
Cote d'Ivoire	12,1	44,6	23,8	42,4	40,9	135,4	39,6	71,5
Latvia	311,4	180,2	150,3	229,4	64,5	88,1	87,1	159,0
Lithuania	209,3	264,4	236,3	431,4	200,0	637,5	552,6	813,4
Lebanon	102,4	1031,9	300,1	327,3	2,0	4,2	1,3	4,3
Libya	63,6	201,5	182,7	327,8	1,1	0,3	0,0	42,0
Malaysia	26,1	96,9	159,6	181,1	161,6	171,0	132,1	235,0

FOREIGN ECONOMIC ACTIVITY

Table 22.1 continued

	Exports				Imports			
	2005	2010	2015	2020	2005	2010	2015	2020
Morocco	128,4	103,5	212,5	373,0	5,1	9,2	28,5	91,9
Mexico	116,9	200,1	118,2	69,5	8,5	63,4	61,7	221,8
Nigeria	212,3	245,3	120,9	69,3	1,9	13,6	2,3	3,5
Netherlands	515,3	563,2	905,7	1802,2	464,1	837,9	452,6	750,8
Germany	1285,2	1499,5	1328,7	2071,7	3383,8	4605,3	3975,6	5339,7
Norway	46,9	84,1	12,8	27,0	128,3	261,3	741,7	288,6
United Arab Emirates	345,2	275,2	301,8	439,1	10,4	50,9	57,6	61,0
Poland	1010,4	1787,2	1977,3	3272,7	1405,9	2788,8	2324,0	4140,9
Portugal	19,9	121,8	320,5	234,0	27,9	51,5	45,2	68,2
Korea, Republic of	202,2	498,0	395,4	351,5	648,5	786,0	256,4	497,5
Moldova, Republic of	678,6	713,5	524,3	679,6	84,2	73,6	41,2	74,1
Russian Federation	7490,1	13428,1	4827,7	2706,0	12842,5	22198,0	7492,7	4541,8
Romania	488,8	705,8	569,9	1081,0	211,8	682,2	318,2	682,4
Saudi Arabia	386,5	644,5	761,6	719,0	3,0	37,4	145,0	101,9
Serbia	—	199,0	105,9	136,6	—	75,7	83,3	165,2
Singapore	489,6	147,2	5,2	123,1	18,3	23,9	21,3	45,6
Slovakia	507,7	568,2	468,5	446,8	304,0	442,6	346,3	1143,4
Slovenia	32,5	11,6	16,3	40,3	125,0	212,6	128,9	253,4
United Kingdom of Great Britain and Northern Ireland	358,2	506,5	367,9	666,9	502,7	821,0	570,1	734,2
USA	956,5	807,3	481,8	983,9	710,0	1766,8	1480,7	3068,7
Thailand	141,8	432,6	334,9	164,5	58,0	162,8	120,6	194,1
Taiwan, Province of China	134,5	80,0	41,5	43,3	96,7	141,2	141,3	234,8
Tunisia	183,7	232,0	333,5	414,8	0,6	3,6	8,5	12,9
Turkey	2026,7	3024,0	2771,8	2436,3	607,7	1298,3	851,7	2418,8
Turkmenistan	187,2	208,9	170,3	56,0	2678,1	31,4	16,3	29,5
Hungary	688,8	860,1	909,7	1263,8	647,7	1214,6	1608,5	1399,5
Uzbekistan	150,6	228,5	174,5	295,5	205,3	81,7	62,3	137,0
Philippines	132,6	31,6	107,4	169,9	5,6	23,0	17,4	49,1
Finland	28,7	34,1	48,0	54,5	351,1	429,8	223,0	249,2
France	199,9	476,9	497,9	592,4	798,9	1106,7	892,8	1467,7
Czechia	376,9	626,2	541,0	826,3	594,0	747,9	479,7	961,7
Switzerland	395,8	472,2	123,2	142,7	252,5	508,2	457,7	876,0
Sweden	41,6	77,8	60,6	72,5	547,4	358,8	273,5	428,1
Japan	82,0	104,8	235,6	181,7	548,2	801,7	382,2	1076,5

FOREIGN ECONOMIC ACTIVITY

22.2. Exports/imports of goods in 2020, by region

	Exports			Imports		
	number of enterprises	value, mln. USD	percentage of total	number of enterprises	value, mln. USD	percentage of total
Ukraine	16615	49191,8	100,0	32500	54336,1¹	100,0
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnitsya	525	1377,8	2,8	604	554,5	1,0
Volyn	430	642,9	1,3	770	1315,7	2,4
Dnipropetrovsk	1219	7591,6	15,4	2671	4634,2	8,5
Donetsk	267	3935,0	8,0	494	1445,8	2,7
Zhytomyr	600	681,0	1,4	538	527,4	1,0
Zakarpattia	442	1349,5	2,7	649	1255,4	2,3
Zaporizhzhya	579	2923,4	5,9	814	1221,3	2,2
Ivano-Frankivsk	368	757,7	1,5	539	639,3	1,2
Kyiv	1007	1967,7	4,0	1995	4178,4	7,7
Kirovohrad	304	912,7	1,9	300	232,8	0,4
Luhansk	66	129,6	0,3	112	212,3	0,4
Lviv	1060	2322,9	4,7	2604	3443,4	6,3
Mykolayiv	340	2248,6	4,6	395	789,9	1,5
Odesa	952	1360,4	2,8	1902	2183,8	4,0
Poltava	377	2317,3	4,7	602	1172,5	2,2
Rivne	379	469,4	1,0	499	383,0	0,7
Sumy	367	974,4	2,0	323	836,1	1,5
Ternopil	222	448,1	0,9	406	406,0	0,7
Kharkiv	1313	1471,2	3,0	2288	1797,3	3,3
Kherson	282	280,7	0,6	292	327,0	0,6
Khmelnyskiy	326	663,4	1,3	492	507,3	0,9
Cherkasy	425	810,7	1,6	485	679,5	1,3
Chernivtsi	243	168,4	0,3	320	170,9	0,3
Chernihiv	453	890,8	1,8	385	342,0	0,6
cities						
Kyiv	4065	12427,6	25,3	12013	23929,0	44,0
Sevastopol	...	...	...	...	...	...

¹ Including crude natural gas non-distributed by region

FOREIGN ECONOMIC ACTIVITY

22.3. Commodity structure of foreign trade in 2020

	Exports		Imports	
	mln. USD	percentage of total	mln. USD	percentage of total
Total	49191,8	100,0	54336,1	100,0
including				
by UCCFT ¹ category				
livestock and products of cattle farming	1188,2	2,4	1258,1	2,3
products of plant-growing industry	11883,2	24,2	1989,3	3,7
animal and vegetable oils and fats	5746,9	11,7	280,4	0,5
finished foodstuffs	3361,0	6,8	2970,6	5,5
mineral products	5331,6	10,8	8633,3	15,9
products of chemical industry and other industries related to chemical	2020,1	4,1	7333,7	13,5
polymeric materials, plastic and similar	682,7	1,4	3403,8	6,3
raw leather, cleansed leather	134,7	0,3	243,0	0,4
wood and wood products	1411,6	2,9	315,6	0,6
wood mass or mass of other fibrous cellulosic materials	403,0	0,8	1099,1	2,0
textiles and textile products	778,2	1,6	2291,1	4,2
footwear, head-dress and umbrellas	165,5	0,3	436,0	0,8
articles of stone, plaster, cement	443,2	0,9	741,5	1,4
natural or cultured pearls, precious or semiprecious stones	114,4	0,2	162,6	0,3
non-precious metals and articles thereof	9030,0	18,4	3129,3	5,8
machines, equipment and machinery; electrotechnical equipment	4486,6	9,1	11552,8	21,3
vehicles for land transport, flying devices, floating crafts	756,6	1,5	5743,1	10,6
optical and photographic devices and instruments	162,6	0,3	1272,7	2,3
miscellaneous manufactured goods	1000,8	2,0	1263,6	2,3
art products	0,6	0,0	4,0	0,0
goods purchased at ports	1,8	0,0	90,8	0,2

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	2020	2005	2010	2015	2020
Total	38662,6	60718,0	67183,7	86290,8	1713405,1	3151515,8	2366554,0	2863715,3
including								
Australia	—	—	—	—	13,6	84,3	1348,0	231,2
Austria	2295,7	—	—	—	42202,2	59212,0	38089,3	46728,1
Bangladesh	—	—	—	—	1,6	1381,4	2482,8	1147,4
Belgium	398,4	1418,3	—	—	37283,7	39264,4	22678,4	20987,0
Belarus	—	205,2	111,5	79,6	8763,9	2252,0	1305,6	13584,9
Bulgaria	71,9	—	—	—	808,4	859,4	1309,3	4040,3
Brazil	—	—	—	—	24606,0	20635,1	15050,8	34519,0
Viet Nam	—	—	—	—	446,5	762,2	557,8	2950,1
Guyana	—	—	—	—	—	28635,7	55102,2	12774,3
Guatemala	—	—	—	—	179,3	—	86364,6	53113,3
Guinea	—	—	—	—	4,4	70012,1	110635,6	141620,7
Hong Kong, Special administrative region of China	—	—	—	—	2449,6	4904,6	1625,5	2579,0
Greece	—	1476,4	—	—	58,2	226,1	766,4	1625,5
Denmark	—	—	—	32,5	29110,5	9836,4	26155,1	32343,6
Estonia	—	—	—	—	119,7	6061,9	1133,8	1488,6
Israel	—	—	—	—	9473,8	1079,6	2525,1	2406,1
India	—	—	—	—	2356,7	4789,2	12885,0	8734,2
Indonesia	—	—	—	—	17280,6	81066,7	3712,6	30575,1
Ireland	—	—	—	—	263,6	1888,9	531,7	177,4
Spain	—	—	—	3,1	9154,3	13419,5	16618,4	13434,9
Italy	—	1447,6	649,4	1869,3	150405,9	156062,8	146277,1	138933,5
Kazakhstan	—	—	—	—	966,6	16436,1	304,3	15592,7
Canada	0,5	—	4,7	—	689,9	1318,6	672,3	791,6
China	—	242,5	38,5	29,4	20650,2	35539,9	167474,8	325987,2
Latvia	—	—	—	—	10307,5	24136,4	9244,7	6457,7
Lithuania	—	—	61,0	—	14143,8	7041,4	6576,8	4336,7
Luxembourg	—	—	—	—	4227,0	995,4	595,1	514,0
Malaysia	—	—	—	—	17327,8	1319,5	15340,3	18433,0
Morocco	—	—	—	—	0,8	659,4	3604,0	7082,9
Mexico	—	—	—	—	33,7	2771,8	6429,4	5915,2
Netherlands	—	270,5	—	—	19901,4	35758,3	35548,2	25256,4
Germany	27871,8	20201,8	8342,5	20275,7	272737,0	361692,6	384740,2	357443,7

FOREIGN ECONOMIC ACTIVITY

Table 22.4 continued

	Exports				Imports			
	2005	2010	2015	2020	2005	2010	2015	2020
Norway	—	—	—	3026,2	837,9	6049,2	3001,8	8526,5
Pakistan	—	—	—	—	965,4	1007,1	1893,6	2136,2
South Africa	—	—	—	—	40,4	16,2	7085,9	29670,9
Poland	45,0	838,7	50,4	618,5	56678,6	143737,4	304358,2	325297,1
Portugal	—	—	0,6	—	6210,4	12775,5	12303,1	11263,9
Korea, Republic of	—	89,2	—	—	4013,5	14744,4	23710,9	13810,0
Moldova, Republic of	38,7	153,8	128,2	—	514,4	775,1	1052,9	11371,4
Russian Federation	4579,7	4494,3	39,7	7,6	558509,5	1394055,1	72266,4	191820,1
Romania	—	—	178,5	93,7	6098,7	30679,8	28224,9	136796,6
Singapore	—	—	—	—	1692,6	2671,2	4268,5	3434,1
Slovakia	—	—	—	10,5	18551,5	11610,6	15095,8	16580,0
Slovenia	—	—	497,3	1,4	413,9	1932,1	3471,6	3178,4
United Kingdom of Great Britain and Northern Ireland	3278,8	6169,8	3018,0	—	32871,1	18819,9	17391,1	16673,6
USA	7,8	—	160,6	118,3	26413,1	43350,0	33426,5	36122,8
Thailand	—	—	—	—	1443,4	1495,6	14216,2	9869,5
Taiwan, Province of China	—	—	4,9	—	10743,9	7485,1	30486,6	47589,5
Tunisia	—	123,1	—	—	12,7	578,9	4150,4	3597,6
Turkey	—	—	179,3	31,0	9955,4	42826,0	36321,5	47093,9
Hungary	—	479,7	207,3	—	104794,0	204685,0	283883,0	333483,0
Uzbekistan	—	345,0	—	—	376,8	2070,8	—	693,3
Uruguay	—	—	—	—	1000,3	29,4	3620,6	795,1
Philippines	—	—	—	—	168,7	807,7	4277,3	12654,2
Finland	—	683,9	101,0	288,0	19983,1	45472,4	17448,9	16716,6
France	—	131,1	—	—	50859,5	35563,3	35333,2	34145,1
Croatia	—	—	—	—	—	596,2	15,2	356,8
Czechia	74,2	883,2	20,5	—	20594,7	46726,4	87020,5	73590,0
Switzerland	—	20832,7	52754,6	59412,3	5261,6	22896,0	24141,0	56750,8
Sweden	—	—	19,2	393,7	13704,3	45024,2	44838,4	6945,1
Japan	—	—	—	—	7157,5	8388,0	23820,2	23019,4

FOREIGN ECONOMIC ACTIVITY

22.5. Foreign trade in services, by country

(mln. USD)

	Exports				Imports			
	2005 ¹	2010 ¹	2015	2020	2005 ¹	2010 ¹	2015	2020
Total	6443,2	12324,2	9736,6	11521,2	2941,8	5467,2	5523,0	5712,5
including								
Australia	0,9	3,1	2,1	9,4	1,0	0,9	0,9	2,9
Austria	94,9	182,8	145,5	177,9	127,5	144,0	93,1	112,5
Azerbaijan	10,7	25,3	31,3	23,6	5,5	13,1	10,2	27,9
Algeria	5,7	1,7	17,3	12,4	1,4	2,9	2,9	1,5
Bahamas	19,0	18,2	13,1	10,9	5,8	2,8	0,1	c
Belgium	145,5	239,4	52,6	109,5	28,7	63,9	49,4	153,1
Belarus	47,3	131,8	77,1	114,9	23,8	63,3	80,9	100,5
Bulgaria	32,3	30,1	43,6	48,2	10,4	17,5	19,2	27,0
British Virgin Islands	69,5	203,2	175,5	156,6	38,0	92,0	42,2	7,1
Hong Kong, Special administrative region of China	4,3	17,9	31,2	63,7	72,9	7,5	14,7	4,4
Greece	69,2	80,7	30,3	12,2	12,5	23,9	24,4	10,5
Georgia	33,7	54,1	39,1	35,3	11,4	17,7	11,8	33,9
Denmark	48,6	87,2	112,4	194,5	13,3	17,5	32,2	80,0
Estonia	12,9	114,0	114,6	203,0	8,5	12,1	30,0	46,3
Egypt	14,1	48,5	43,6	34,5	18,0	32,2	26,4	72,8
Israel	40,9	64,5	144,5	215,1	18,8	28,7	24,2	33,9
India	17,1	31,2	45,6	96,7	3,2	4,7	13,1	9,1
Iraq	0,1	8,6	12,6	8,6	1,1	1,2	1,2	5,8
Ireland	8,9	48,4	26,9	119,4	1,1	10,2	49,5	262,4
Spain	20,1	30,2	27,6	49,0	16,4	17,3	29,9	36,1
Italy	74,1	127,2	133,3	88,4	19,5	35,2	34,8	40,9
Kazakhstan	21,4	83,7	65,7	31,9	8,9	22,1	14,0	23,3
Canada	39,6	101,9	71,0	106,1	25,8	38,5	43,8	55,8
China	24,0	73,9	40,6	124,3	7,7	17,5	128,4	197,2
Cyprus	242,4	418,7	251,2	408,6	213,5	817,6	287,7	238,6
Latvia	39,8	31,7	75,7	44,5	13,0	32,0	36,0	42,8
Lithuania	12,6	36,8	33,7	56,8	6,7	16,2	14,5	38,8
Liberia	14,6	42,8	23,7	13,6	0,6	0,2	0,0	0,3
Luxembourg	0,7	5,0	5,2	27,6	0,3	5,9	83,3	67,1
Malaysia	5,7	11,2	11,8	12,3	0,3	0,6	0,7	2,0
Malta	35,2	93,1	106,2	145,3	1,4	2,3	77,3	116,3
Morocco	2,0	2,7	7,7	20,6	0,6	0,5	0,4	0,3
Marshall Islands	5,2	25,2	80,6	36,3	0,0	0,1	0,4	0,3

FOREIGN ECONOMIC ACTIVITY

Table 22.5 continued

	Exports				Imports			
	2005 ¹	2010 ¹	2015	2020	2005 ¹	2010 ¹	2015	2020
Nigeria	3,7	8,5	12,6	13,0	0,7	0,7	0,9	0,4
Netherlands	73,2	103,2	111,8	243,3	65,6	125,1	140,7	112,5
Germany	185,8	337,2	452,0	630,4	171,3	353,4	538,5	420,2
Norway	13,5	41,3	22,7	38,2	6,9	10,5	42,2	42,2
United Arab Emirates	26,0	69,4	204,7	331,5	10,8	49,9	89,3	77,7
Isle of Men	—	13,0	16,3	38,8	—	0,0	c	0,2
Panama	34,0	168,3	131,7	23,2	1,8	30,0	14,9	5,6
Poland	62,2	93,1	181,9	441,0	77,0	141,2	98,7	201,0
Portugal	10,6	10,9	5,8	6,3	2,4	54,1	8,3	3,8
Korea, Republic of	8,3	12,4	43,6	52,1	2,8	6,4	18,3	16,0
Moldova, Republic of	33,7	67,1	40,0	57,9	15,3	29,1	32,2	28,3
Russian Federation	2574,5	5157,1	3039,8	2637,8	436,7	793,5	653,9	176,0
Romania	8,0	21,6	43,3	111,8	4,0	11,2	9,0	21,7
Serbia	—	12,1	12,2	13,1	—	7,2	1,2	4,2
Singapore	13,4	17,7	16,0	50,1	2,5	5,6	9,1	15,3
Slovakia	49,2	50,6	26,8	52,4	17,5	18,2	101,8	24,1
Slovenia	2,0	5,8	21,0	24,3	2,6	3,9	5,9	8,8
United Kingdom of Great Britain and Northern Ireland	300,2	557,8	553,3	635,7	271,3	598,8	717,1	519,7
USA	281,4	596,9	666,4	1419,2	306,8	379,4	487,2	687,9
Turkey	90,2	154,6	163,3	146,0	93,9	224,7	195,3	441,3
Turkmenistan	108,0	111,5	262,8	8,9	13,9	7,2	39,6	4,7
Hungary	128,2	223,9	92,3	200,8	49,8	52,3	50,0	58,2
Uzbekistan	5,5	13,6	7,1	13,8	2,4	3,2	2,6	3,3
Finland	14,7	48,1	24,5	28,2	2,9	22,0	21,2	35,5
France	57,4	123,6	108,3	182,9	53,2	230,2	112,0	130,6
Croatia	1,5	6,1	2,9	6,9	1,4	5,9	2,8	7,3
Czechia	21,2	43,1	64,6	105,9	17,6	38,6	34,6	54,0
Montenegro	—	2,8	2,9	3,0	—	3,0	4,5	7,4
Switzerland	296,2	431,2	770,2	778,6	111,1	178,6	234,6	217,2
Sweden	16,5	44,6	80,7	106,2	90,6	158,9	48,3	57,2
Japan	5,3	14,6	7,0	9,1	5,4	6,1	14,0	7,9

¹ The 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 2020, by region

	Exports			Imports		
	total enterprises	value, mln. USD	percentage of total	total enterprises	value, mln. USD	percentage of total
Ukraine¹	10200	11521,2	100,0	7180	5712,5	100,0
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnitsya	152	164,6	1,4	117	36,4	0,6
Volyn	163	83,8	0,7	233	30,4	0,5
Dnipropetrovsk	454	189,3	1,6	405	220,3	3,9
Donetsk	119	84,6	0,7	115	89,8	1,6
Zhytomyr	117	80,5	0,7	80	12,6	0,2
Zakarpattya	260	295,8	2,6	134	27,0	0,5
Zaporizhzhya	210	170,7	1,5	107	32,2	0,6
Ivano-Frankivsk	133	60,1	0,5	92	26,2	0,5
Kyiv	418	273,0	2,4	381	190,7	3,3
Kirovohrad	48	23,7	0,2	56	12,4	0,2
Luhansk	41	27,9	0,2	36	40,3	0,7
Lviv	836	641,2	5,6	521	83,8	1,5
Mykolayiv	167	347,6	3,0	74	19,6	0,3
Odesa	994	845,7	7,3	549	305,7	5,4
Poltava	153	40,5	0,4	197	97,5	1,7
Rivne	150	71,7	0,6	135	28,1	0,5
Sumy	75	28,6	0,2	67	29,5	0,5
Ternopil	74	110,6	1,0	69	11,4	0,2
Kharkiv	628	404,6	3,5	286	60,3	1,1
Kherson	123	32,6	0,3	59	17,0	0,3
Khmelnyskiy	95	25,0	0,2	130	26,0	0,5
Cherkasy	131	42,9	0,4	116	21,6	0,4
Chernivtsi	80	45,7	0,4	38	5,2	0,1
Chernihiv	116	31,9	0,3	88	29,2	0,5
cities						
Kyiv	4404	4262,6	37,0	3000	2614,5	45,8
Sevastopol	...	...	...	...	...	...

¹ Including the undistributed services by region

FOREIGN ECONOMIC ACTIVITY

22.7. Structure of exports/imports of services in 2020

	Exports		Imports	
	mln. USD	percentage of total	mln. USD	percentage of total
Total	11521,2	100,0	5712,5	100,0
Services for the processing of material resources	1352,8	11,7	3,0	0,1
services for the processing of goods in the domestic economy	7,8	0,6	0,1	2,4
services for processing of goods abroad	1345,1	99,4	2,9	97,6
Services for repair and technical maintenance not related to other categories	236,6	2,1	61,5	1,1
Transport services	4988,4	43,3	1061,0	18,6
sea transport services	606,0	12,1	309,9	29,2
river transport services	25,8	0,5	c	c
air transport services	802,2	16,1	319,9	30,1
rail transport services	405,2	8,1	197,4	18,6
motor transport services	339,8	6,8	176,5	16,6
pipeline transport services	2443,2	49,0	c	c
other auxiliary and additional transport services	320,1	6,4	27,6	2,6
mail and courier services	46,3	0,9	28,2	2,7
Services connected with travels	263,4	2,3	702,9	12,3
Services for construction	75,4	0,7	39,6	0,7
Services for insurance	58,2	0,5	126,9	2,2
Services connected with financial activity	103,6	0,9	471,5	8,3
Royalties and other services connected with usage of intellectual property	94,9	0,8	540,2	9,5
Services in the sphere of telecommunications, computer and information services	3051,4	26,5	562,0	9,8
Business services	1256,7	10,9	993,6	17,4
Services rendered to individual persons, cultural and recreation services	32,1	0,3	12,5	0,2
State and government services	7,4	0,1	1137,8	19,9

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	2020
Wholesale turnover of wholesale enterprises, bln. UAH	1908,7	2215,4	2322,2	2462,6
Share of goods in wholesale turnover of wholesale enterprises, percent				
food products	16,5	16,1	16,9	17,8
manufactured goods	83,5	83,9	83,1	82,2
Turnover of retail trade, bln. UAH	815,3	930,6	1094,0	1201,6
including retail turnover of retail enterprises	586,3	668,4	793,5	868,3
Share of goods in retail turnover of retail enterprises, percent				
food products	39,8	43,3	42,4	44,2
manufactured goods	60,2	56,7	57,6	55,8

23.2. Wholesale turnover of wholesale enterprises, by region

(mln. UAH)

	2005	2010	2015	2017	2018	2019	2020
Ukraine	492506,2	993695,8	1244220,8	1908670,6	2215367,4	2322176,9	2462558,8
Autonomous Republic of Crimea	5291,6	13714,8	...	...	...	...	...
oblasts							
Vinnysya	3068,0	8457,2	18228,0	18838,4	24045,3	24885,9	30701,1
Volyn	12083,1	15810,2	18495,0	72637,7	86133,4	43603,8	65907,4
Dnipropetrovsk	66225,4	98919,8	93252,0	149822,4	154530,6	198109,7	207136,7
Donetsk	67987,1	173920,2	68053,0	57418,5	60669,1	61815,0	56132,8
Zhytomyr	4758,6	13616,4	6689,5	18193,1	22013,6	20869,4	18054,0
Zakarpattya	3840,9	6770,3	14000,1	6454,1	8873,7	7990,5	10984,3
Zaporizhzhya	17734,8	25661,9	22811,8	39675,0	49225,1	50512,7	47905,7
Ivano-Frankivsk	4385,2	8616,9	9244,6	12225,3	15606,0	37568,0	31970,3
Kyiv	15735,2	43988,9	83826,2	122010,3	149488,5	157062,7	149793,1
Kirovohrad	3024,8	8409,7	14450,8	20211,6	22908,4	25857,6	29986,8
Luhansk	19470,4	22089,8	3800,9	4770,6	6246,0	5689,6	5681,7
Lviv	16210,6	23915,6	36354,2	43280,5	59296,6	64574,6	84299,1
Mykolayiv	13588,9	21057,3	23706,5	37269,0	46966,5	58397,5	48576,9
Odesa	21787,1	46337,3	43597,4	91670,6	109362,7	107057,1	124779,8
Poltava	8332,7	32607,6	16224,3	27088,5	30873,7	37817,5	31480,1
Rivne	5667,5	3729,2	6231,1	8984,2	9896,2	12202,5	14074,9
Sumy	3027,9	5261,3	11052,9	16952,2	21556,5	21853,7	17425,5
Ternopil	1546,6	4944,0	30458,6	11775,6	14023,5	12937,9	13849,5
Kharkiv	25983,0	46662,4	62936,7	79989,3	78960,5	83122,2	85847,7
Kherson	5137,3	10473,0	8967,4	12630,3	11985,2	12611,4	11338,1
Khmelnyskiy	7955,9	5009,4	6876,3	15715,8	17776,8	18556,2	20633,2
Cherkasy	4334,8	9841,5	23101,2	26939,2	37358,3	45182,2	47086,2
Chernivtsi	2013,8	2529,6	3690,8	5106,7	6517,9	8459,8	8482,4
Chernihiv	2505,8	5926,9	9863,4	12413,9	17559,3	19902,7	18398,8
cities							
Kyiv	148249,2	324179,1	608308,1	996597,8	1153494,0	1185536,7	1282032,7
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, by goods groups

	Mln. UAH		Percent of total	
	2019	2020	2019	2020
All commodities	2322176,9	2462558,8	100,0	100,0
Food products	392139,9	437577,3	16,9	17,8
meat and meat products	40626,5	41797,9	1,7	1,7
dairy products, butter and cheese	22382,2	25824,5	1,0	1,0
eggs	2114,1	2058,2	0,1	0,1
edible oils and fats	17378,1	18402,4	0,7	0,7
including vegetable oil	13099,1	16292,5	0,6	0,7
alcoholic beverages	40487,2	43366,5	1,7	1,8
including				
distilled alcoholic beverages	20033,0	22048,1	0,9	0,9
fresh grape wines and mash grape	6689,1	6898,2	0,3	0,3
cider and other fruit and berries wines	554,3	561,6	0,0	0,0
vermouth and other flavoured fresh grape wines	1789,9	1982,0	0,1	0,1
beer, apart from brewery waste	11420,9	11876,6	0,5	0,5
mineral waters and soft drinks and fruit and vegetable juices	18843,8	19239,4	0,8	0,8
tobacco products, apart from tobacco waste	109035,0	122765,2	4,7	5,0
bakery products and flour confectionary	4217,9	7033,3	0,2	0,3
sugar	5342,9	5192,2	0,2	0,2
sugar confectionary products and chocolate	24638,0	24412,9	1,1	1,0
coffee, tea, cocoa and spices	16665,0	14337,2	0,7	0,6
fish, crustacean and molluscs	13004,0	15079,3	0,6	0,6
fruit and vegetables, processed	4401,7	5339,7	0,2	0,2
fresh fruit and vegetables	12870,3	19909,1	0,6	0,8
other food products	60133,2	72819,5	2,6	3,0
including				
rice	1497,0	1273,6	0,1	0,1
flour	1239,6	1545,7	0,1	0,1
cereals and coarse flour	1879,9	1899,9	0,1	0,1
macaroni	1318,7	1190,5	0,1	0,0
edible salt	1437,9	1421,4	0,1	0,1

DOMESTIC TRADE

Table 23.4 continued

	Mln. UAH		Percent of total	
	2019	2020	2019	2020
Manufactured goods	1930037,0	2024981,5	83,1	82,2
motor vehicles for light loads	75271,0	76628,0	3,2	3,1
freight motor vehicles	9077,3	9393,5	0,4	0,4
tires and rubber bags for vehicles	13516,2	12894,4	0,6	0,5
parts and equipment for cars and motor vehicles	46148,0	50750,6	2,0	2,1
motorcycles, parts and equipment for them	607,5	412,3	0,0	0,0
wheat	149953,1	152834,4	6,5	6,2
including				
hard wheat	53663,6	62455,5	2,3	2,5
corn	82334,6	71612,1	3,5	2,9
barley	12013,9	16712,6	0,5	0,7
seeds and fruits of oilseeds	48360,2	46841,1	2,1	1,9
foodders for animals	6505,6	8346,8	0,3	0,3
other agricultural raw materials	9729,9	8893,8	0,4	0,4
live animals	477,1	497,5	0,0	0,0
textile products, clothes and footwear	8477,3	9274,4	0,4	0,4
household electrical appliances and electronic equipment for receiving, recording, reproducing sound and images	35502,1	45115,1	1,5	1,8
articles made from ceramics and glass	3251,5	3850,5	0,1	0,2
cleans and lustre preparations	9008,5	10727,4	0,4	0,4
perfumery and cosmetics	32645,5	33591,7	1,4	1,4
basic pharmaceutical products	149376,5	176402,9	6,4	7,2
surgical, medical and orthopedic instruments and devices	14166,5	21470,4	0,6	0,9
furniture, carpets and illuminating devices	4320,4	5973,6	0,2	0,2
watches and jewellery	229,3	293,8	0,0	0,0
wood products, cork, wicker and knife-made	1406,2	1147,3	0,1	0,0
books, newspapers, magazines and periodicals, printed and in electronic formats	860,5	961,2	0,0	0,0
stationery	3374,2	3207,4	0,1	0,1
other consumer goods	15964,4	18260,9	0,7	0,7
including sporting goods	1054,4	1901,8	0,0	0,1
information and communication equipment	28426,8	34483,7	1,2	1,4
machinery and equipment for agriculture, mining and construction, textile, clothing and knitwear production	35306,5	34987,5	1,5	1,4
office furniture, machinery and equipment	8233,4	5030,0	0,4	0,2
other machinery and equipment	46862,0	38337,3	2,0	1,6
fuel solid	35038,3	29501,6	1,5	1,2
including black coal	27049,3	22390,8	1,2	0,9

DOMESTIC TRADE

Table 23.4 continued

	Mln. UAH		Percent of total	
	2019	2020	2019	2020
motor fuel	262689,3	269615,1	11,3	10,9
including				
petrol for motor vehicles including aircraft gasoline	50077,7	53132,6	2,2	2,2
gas oil (diesel fuel)	189760,2	190404,5	8,2	7,7
liquid propane and butane	22396,7	25812,2	1,0	1,0
fuel solid, liquid and gaseous other	35556,8	36365,7	1,5	1,5
including				
heavy fuel oil	1116,3	1243,3	0,0	0,1
oils and lubricants; hard oil distillates	12983,9	12124,4	0,6	0,5
basic ferrous metals: iron, cast iron, steel and ferroalloys	91644,2	84089,6	3,9	3,4
including				
ferroalloys	3117,0	2994,8	0,1	0,1
steel	2955,4	4158,8	0,1	0,2
flat section hot rolled of plating steel, with galvanic or other coating, flat products of high cutting steel and silicone electrotechnical steel	3705,6	4023,7	0,2	0,2
flat section hot rolled of steel	17957,6	17277,7	0,8	0,7
cold rolled flat products from non-alloyed steel width not less than 600 mm	7738,6	7954,7	0,3	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	26204,3	1,0	1,1
tubes, hollow lances, cross sections and fittings of steel	20912,9	15949,5	0,9	0,6
products of other primary processing of steel other pellets and powders from processed or mirror pig iron or from ferrous metals	5532,5	3588,2	0,2	0,1
	2,7	34,0	0,0	0,0
metal ore	6234,3	8702,9	0,3	0,4
non-ferrous metals (excluding precious metals) – aluminum, lead, zinc and tin, copper, other non-ferrous metals	4321,4	4698,8	0,2	0,2
wood and wood products	8932,5	9611,6	0,4	0,4
sanitary equipment	5143,3	6574,6	0,2	0,3
paints, varnishes and enamels	5993,3	6283,6	0,3	0,3
sheet glass	2407,2	2727,2	0,1	0,1
wallpaper, floor coverings (except carpets)	4254,1	4957,9	0,2	0,2
other construction materials	54821,2	62401,2	2,4	2,5
hardware, plumbing and heating equipment	14701,7	17290,3	0,6	0,7
fertilizers, agrochemical products	150727,3	145760,7	6,5	5,9
industrial chemicals	31255,3	27235,4	1,4	1,1
paper and carton	6101,5	4335,7	0,3	0,2
plastics and rubber in primary forms	8871,4	9210,7	0,4	0,4
wastes and scrap	26392,4	25573,2	1,1	1,0
other non-food products	417894,0	459438,2	18,0	18,7

DOMESTIC TRADE

23.5. Retail turnover of retail enterprises, by region

	Mln. UAH				At comparable prices, percent of the previous year			
	2017	2018	2019	2020	2017	2018	2019	2020
Ukraine	815344,3	930629,2	1094045,8	1201624,0	106,5	106,2	110,3	107,6
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...
oblasts								
Vinnitsya	21049,1	25658,4	32144,2	33021,3	106,1	112,9	119,1	102,3
Volyn	15256,9	16334,0	19619,7	22497,1	92,5	102,5	112,4	110,8
Dnipropetrovsk	72542,1	85302,9	102461,5	114221,3	106,8	108,0	112,7	110,3
Donetsk	22782,8	29153,3	35319,2	37386,8	102,7	115,8	110,9	103,2
Zhytomyr	20342,8	23592,9	26027,5	27816,3	107,3	110,2	104,0	106,2
Zakarpattia	18624,5	21897,1	23519,8	22828,5	109,0	110,9	100,9	94,7
Zaporizhzhya	36151,3	38638,3	45223,6	52262,9	105,5	105,0	110,2	114,6
Ivano-Frankivsk	19258,2	22299,5	25805,3	27374,5	106,8	112,6	109,4	104,5
Kyiv	54971,4	64917,4	83453,1	99186,1	107,1	108,0	120,6	116,3
Kirovohrad	15374,7	16622,5	19679,5	22369,8	103,6	99,9	111,7	111,3
Luhansk	5866,5	8236,8	10561,9	11307,3	98,4	127,8	119,2	104,7
Lviv	51437,4	57825,1	66601,9	70602,2	112,5	105,3	107,8	103,3
Mykolayiv	19666,8	22555,1	25487,9	26764,3	105,1	108,1	106,2	103,8
Odesa	61807,1	69196,7	81447,5	88061,4	108,2	103,4	111,0	106,2
Poltava	25679,5	30928,8	34301,1	39098,1	110,0	112,3	103,6	112,2
Rivne	14927,8	17360,0	20642,3	21794,2	98,6	109,3	111,3	103,2
Sumy	16237,5	19464,9	21348,1	22833,0	105,5	108,8	102,2	105,1
Ternopil	11651,0	13082,8	16145,9	17790,9	99,2	110,6	117,1	109,7
Kharkiv	65016,7	72517,7	82126,9	87393,7	107,0	101,7	105,5	103,6
Kherson	19109,8	21738,7	23690,9	25388,6	104,7	104,8	102,3	105,3
Khmelnyskiy	20174,0	20565,9	24234,6	27809,5	105,0	101,3	111,5	111,7
Cherkasy	19880,5	22495,4	27126,2	29387,6	106,6	107,3	115,0	106,0
Chernivtsi	13553,5	15170,4	15282,8	16088,6	104,5	105,2	95,3	103,1
Chernihiv	15921,3	17973,2	19282,1	22119,6	105,3	103,3	101,4	112,4
cities								
Kyiv	158061,1	177101,4	212512,3	236220,4	105,9	103,4	114,2	108,7
Sevastopol	...	...	...	...	...	...	...	...

DOMESTIC TRADE

23.6. Volume indices of retail turnover of retail enterprises*(at comparable prices; percent of the previous year)*

	2017	2018	2019	2020
All goods	106,0	105,8	111,4	107,2
Food products	105,5	111,2	105,8	109,6
foodstuffs	106,8	114,6	107,0	109,8
alcoholic beverages	99,8	113,2	104,4	109,7
Manufactured goods	106,4	102,1	115,6	105,4

23.7. Retail turnover of retail enterprises, by region*(mln. UAH)*

	2017	2018	2019	2020
Ukraine	586330,1	668369,6	793479,2¹	868283,3¹
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnitsya	12280,7	14707,8	18494,9	19460,2
Volyn	9556,4	10295,4	12334,2	14361,2
Dnipropetrovsk	56060,4	66023,9	79200,4	87987,0
Donetsk	15766,7	19243,1	23105,2	24513,3
Zhytomyr	12381,5	14465,8	16465,7	17980,4
Zakarpattia	12196,8	13560,6	14951,1	14006,1
Zaporizhzhya	25530,6	27779,1	32942,6	37242,7
Ivano-Frankivsk	11402,1	13345,1	15804,1	17054,9
Kyiv	41771,5	49871,5	65042,2	76812,6
Kirovohrad	10423,5	11473,0	13879,2	15443,6
Luhansk	3229,5	4393,0	5264,9	6132,3
Lviv	37054,2	42944,0	49898,3	53113,8
Mykolayiv	13208,1	14947,3	17393,2	18489,2
Odesa	47001,6	53107,6	62660,0	66979,4
Poltava	16675,0	19585,9	22331,2	25557,1
Rivne	9403,4	10749,2	12561,8	13280,4
Sumy	9671,0	11526,4	13015,1	14076,1
Ternopil	6528,2	7169,4	8820,5	9633,6
Kharkiv	46078,5	51926,0	58839,3	61838,1
Kherson	12689,1	14720,8	16436,5	17703,3
Khmelnyskiy	11289,3	11604,5	13864,9	15908,8
Cherkasy	11327,9	12567,3	15173,0	16382,9
Chernivtsi	7194,0	8040,9	8129,1	8469,7
Chernihiv	10285,1	11448,4	12710,5	14505,5
cities				
Kyiv	137325,0	152873,6	184161,5	201350,9
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	2020
All commodities	106,0	105,8	111,4	107,2
Food products	105,5	111,2	105,8	109,6
meat and meat products	96,3	110,1	108,4	110,5
fish, crustaceans and molluscs (including fish products)	117,0	126,5	110,8	118,1
rennet cheese, processed and lactic cheese	101,0	113,1	113,9	112,6
butter and pasty dairy products	90,0	105,2	112,9	115,8
eggs	109,4	101,1	117,9	117,8
vegetable oil	96,6	112,0	98,1	115,1
cereals	122,9	124,6	102,6	91,7
macaroni	113,6	109,0	94,8	149,6
sugar	118,0	105,4	109,9	99,1
coffee	107,2	116,2	111,0	111,6
tea	103,7	111,3	106,5	109,5
bakery products and confectionary	110,6	108,7	109,4	100,3
sugar confectionery	118,3	119,9	112,6	105,3
fresh fruit and vegetables	105,6	118,1	102,4	119,0
alcoholic beverages	99,8	113,2	104,4	109,7
other beverages (non-alcoholic)	113,1	117,0	108,9	105,1
Manufactured goods	106,4	102,1	115,6	105,4
clothes	118,7	118,6	120,5	102,2
footwear	105,5	105,3	131,7	108,8
cosmetic products and products for toilets	113,6	106,9	121,7	101,0
household detergents, cleaners and care products	117,3	126,2	113,6	111,5
watches and jewellery	82,5	281,7	227,9	86,2
books, newspapers and magazines	104,9	108,4	95,1	99,7
computers, networking, software	107,1	108,8	163,7	141,1
household equipment for receiving, recording, reproducing sound and images	100,1	166,1	124,5	139,7
household home appliances and lighting accessories	154,8	105,3	120,9	116,0
furniture	153,3	114,9	128,4	113,4
wallpaper, floor coverings, carpets and rugs	130,4	107,8	106,6	106,9
construction materials and products of iron	118,0	104,8	101,3	102,8
pharmaceuticals, medical and orthopaedic goods	113,1	110,9	115,6	104,7
cars and automobile goods	119,6	97,2	128,2	105,2
petrol engine and gas oil (diesel fuel)	91,9	77,2	115,3	112,9
propane, butane and methane for cars	130,4	91,3	138,7	114,9

DOMESTIC TRADE

23.9. Retail turnover of retail enterprises, by goods groups

	Mln. UAH			Percent of total		
	2018	2019	2020	2018	2019	2020
All commodities	668369,6	793479,2	868283,3	100,0	100,0	100,0
Food products	289695,9	336587,9	384091,6	43,3	42,4	44,2
meat	16513,5	15627,3	17457,4	2,5	2,0	2,0
meat products	17359,2	23734,9	26739,1	2,6	3,0	3,1
fish, crustaceans and molluscs (including fish products)	12864,3	15430,9	18623,0	1,9	2,0	2,1
dairy products	33568,3	38311,4	44317,7	5,0	4,8	5,1
including						
milk	—	8147,2	8350,1	—	1,0	1,0
rennet cheese, processed and lactic cheese	12100,2	15067,7	17889,8	1,8	1,9	2,1
butter and pasty dairy products	3913,2	4875,2	5906,0	0,6	0,6	0,7
eggs	5390,9	5040,0	5855,9	0,8	0,6	0,7
edible oils and fats	4027,4	4434,9	5169,1	0,6	0,6	0,6
including vegetable oil	3525,2	3488,3	4115,1	0,5	0,4	0,5
bakery products and flour confectionery	22703,8	28294,7	29992,8	3,4	3,6	3,5
including flour confectionery	12147,3	14691,4	15502,4	1,8	1,9	1,8
sugar confectionery	21997,4	26225,0	28366,7	3,3	3,3	3,3
fresh fruit and vegetables	22548,5	26841,2	31355,4	3,4	3,4	3,6
including fresh vegetables	9600,0	11203,9	13136,0	1,4	1,4	1,5
processed fruits and vegetables	7019,6	9769,8	11546,8	1,0	1,2	1,3
alcoholic beverages	47127,9	53483,7	59846,0	7,1	6,7	6,9
other non-alcoholic beverages	16171,3	19145,5	20874,8	2,4	2,4	2,4
including						
juices	3552,2	4365,3	4759,1	0,5	0,6	0,5
mineral waters	5714,1	7149,8	7667,6	0,9	0,9	0,9
coffee, tea, cocoa and spices	10523,4	12034,4	13637,4	1,6	1,5	1,6
including						
coffee	5852,9	6655,5	7428,3	0,9	0,8	0,9
tea	3131,4	3512,8	3939,6	0,5	0,4	0,5
homogenized and dietetic foods (including baby foods)	3663,3	5412,5	6277,4	0,5	0,7	0,7
other food products	28290,5	27995,8	33258,1	4,2	3,5	3,8
including						
sugar	2471,5	2714,3	2951,3	0,4	0,3	0,3
flour	1304,8	1687,1	1779,4	0,2	0,2	0,2
cereals	4650,3	5146,1	6006,9	0,7	0,6	0,7
macaroni	3657,5	3835,1	5914,8	0,5	0,5	0,7
edible salt	380,4	393,1	454,4	0,1	0,0	0,1
tobacco products (including related products)	19926,6	24805,9	30774,0	3,0	3,1	3,5

DOMESTIC TRADE

Table 23.9 continued

	Mln. UAH			Percent of total		
	2018	2019	2020	2018	2019	2020
Manufactured goods	378673,7	456891,3	484191,7	56,7	57,6	55,8
textile goods, curtains, drapes and tulle	2391,7	2667,6	2915,8	0,4	0,3	0,3
clothes	21075,3	25588,9	25112,0	3,2	3,2	2,9
footwear	6155,0	8001,3	8170,9	0,9	1,0	0,9
cosmetic products and products for toilets	23678,1	30377,7	31028,5	3,5	3,8	3,6
watches and jewellery	841,2	1945,7	1788,3	0,1	0,3	0,2
books, newspapers, magazines	1712,4	1755,3	1816,9	0,3	0,2	0,2
stationery	1706,2	1750,2	2141,5	0,3	0,2	0,2
computers, networking, software	4790,8	7530,5	9903,7	0,7	1,0	1,1
household electrical appliances and electronic equipment for receiving, recording, reproducing sound and images	6521,6	7168,9	8301,3	1,0	0,9	1,0
telecommunication equipment	13319,4	15588,5	16083,2	2,0	2,0	1,8
including telephone sets mobile	11671,1	13737,9	13198,7	1,7	1,7	1,5
games and toys	3616,4	4556,6	4725,3	0,5	0,6	0,5
motorcycles, parts and accessories	239,3	416,3	555,9	0,0	0,1	0,1
cars, parts and accessories	48408,0	60806,9	65005,8	7,3	7,7	7,5
including cars	41483,1	51959,2	55218,1	6,2	6,5	6,4
tools and equipment for camping, sports	2164,1	2627,2	3425,3	0,3	0,3	0,4
furniture	4266,0	5791,4	6651,9	0,6	0,7	0,8
wallpaper, floor coverings, carpets and rugs	5848,3	6259,7	6631,8	0,9	0,8	0,8
household electrical appliances	19478,1	22083,7	24894,2	2,9	2,8	2,9
lighting accessories	1864,6	3303,6	3476,3	0,3	0,4	0,4
ceramics, glass, wood, cork, wicker, cutlery, non-electric household products	6057,5	7088,6	7946,2	0,9	0,9	0,9
construction materials and products of iron	23331,4	24860,8	25921,2	3,5	3,1	3,0
gardening equipment and inventory, hand tools	4113,3	4738,9	5832,9	0,6	0,6	0,7
pharmaceuticals	65477,3	78275,0	85015,1	9,8	9,9	9,8
medical and orthopedic goods	10501,3	13801,2	15388,9	1,6	1,7	1,8
petrol engine	27621,1	29832,9	28063,5	4,1	3,8	3,2
gas oil (diesel fuel)	20331,8	24110,3	22254,3	3,0	3,0	2,6
propane, butane and methane for cars	12587,0	15445,1	16661,9	1,9	2,0	1,9
animals – pets and food for them	2425,4	3493,4	4364,5	0,4	0,4	0,5
other manufactured goods	38151,1	47025,1	50114,6	5,7	5,9	5,8
including detergents, household cleaning and care products	14133,1	16790,2	18606,9	2,1	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	2020
All commodities	52,3	53,2	52,4	53,4
Food products	82,2	81,4	80,0	79,4
meat	95,6	96,5	97,1	96,5
meat products	93,7	94,1	93,2	93,9
fish, crustaceans and molluscs (including fish products)	61,8	60,6	72,9	73,2
dairy products	90,4	89,6	89,4	86,8
including				
milk	—	—	95,5	94,0
rennet cheese, processed and lactic cheese	85,1	83,7	80,3	76,2
butter and pasty dairy products	96,1	96,5	96,4	95,1
eggs	98,5	99,2	99,1	99,1
edible oils and fats	92,9	92,9	86,5	84,5
including vegetable oil	92,6	92,8	84,0	81,4
bakery products and flour confectionery	95,1	95,3	92,9	92,1
including flour confectionery	93,1	93,5	90,1	88,5
sugar confectionery	85,9	85,1	76,1	74,9
fresh fruit and vegetables	56,3	57,3	46,2	47,2
including fresh vegetables	84,2	85,4	70,5	74,1
processed fruit and vegetables	67,2	65,5	69,8	70,0
alcoholic beverages	77,5	75,3	73,4	71,1
other non-alcoholic beverages	91,7	91,7	89,8	88,8
including				
juices	93,5	94,7	94,1	92,7
mineral waters	89,7	88,9	86,4	85,5
coffee, tea, cocoa and spices	55,2	54,6	69,2	72,0
including				
coffee	42,2	40,2	65,8	68,6
tea	74,0	76,1	72,9	77,0
homogenized and dietetic foods (including baby foods)	42,8	42,6	59,9	61,6
other food products	85,5	84,3	81,8	82,3
including				
sugar	97,1	96,9	96,3	96,3
flour	94,9	94,7	91,9	95,7
cereals	92,6	92,1	79,9	79,7
macaroni	74,9	72,9	65,8	72,9
edible salt	95,0	94,9	93,4	93,7
tobacco products (including related products)	88,1	87,0	85,7	87,0

DOMESTIC TRADE

Table 23.10 continued

	2017	2018	2019	2020
Manufactured goods	32,6	31,7	32,0	32,9
textile goods, curtains, drapes and tulle	25,9	28,7	34,6	35,5
clothes	8,2	8,8	7,7	7,2
footwear	3,7	4,2	6,0	7,5
cosmetic products and products for toilets	17,6	18,9	23,7	26,0
watches and jewellery	14,9	4,8	3,3	4,0
books, newspapers, magazines	79,8	79,7	84,0	79,9
stationery	50,4	51,2	55,0	55,5
computers, networking, software	1,0	1,9	3,1	3,7
household electrical appliances and electronic equipment for receiving, recording, reproducing sound and images	0,4	0,4	0,5	1,3
telecommunication equipment	0,1	0,1	0,2	0,3
including telephone sets mobile	0,0	0,0	0,1	0,2
games and toys	13,2	13,1	15,7	19,5
motorcycles, parts and accessories	1,4	2,2	2,0	0,9
cars, parts and accessories	5,3	4,4	4,1	4,0
including cars	3,2	3,6	2,3	1,8
tools and equipment for camping, sports	21,7	21,6	27,1	25,3
furniture	43,6	48,3	51,4	48,9
wallpaper, floor coverings, carpets and rugs	44,6	45,3	46,3	49,0
household electrical appliances	8,0	8,3	8,5	8,4
lighting accessories	37,4	38,2	38,6	42,4
ceramics, glass, wood, cork, wicker, cutlery, non-electric household products	32,6	30,8	46,6	47,5
construction materials and products of iron	55,1	56,1	55,1	53,4
gardening equipment and inventory, hand tools	41,4	39,1	38,2	34,2
pharmaceuticals	49,8	50,2	50,0	49,8
medical and orthopedic goods	42,6	43,8	46,5	46,6
petrol engine	58,6	58,1	60,5	64,4
gas oil (diesel fuel)	52,7	52,3	57,8	65,6
propane, butane and methane for cars	60,5	53,7	57,9	67,2
animals – pets and pet food	23,9	21,2	30,7	30,1
other manufactured goods	30,3	31,5	28,8	31,2
including detergents, household cleaning and care products	32,4	31,4	32,3	33,3

DOMESTIC TRADE

23.11. Retail sales of retail enterprises by product groups*(thsd.t)*

	2017	2018	2019	2020
Meat	195,8	213,9	186,3	201,1
Meat products	142,2	150,0	187,9	205,8
Fish, crustaceans and molluscs (including fish products)	91,3	104,7	113,3	122,6
Milk	—	—	325,5	321,0
Rennet cheese, processed and lactic cheese	76,6	88,6	101,6	116,0
Butter and pasty dairy products	24,7	25,6	29,4	32,2
Eggs, mln	2277,6	2336,4	2539,1	2879,2
Vegetable oil	82,7	93,7	89,2	99,7
Flour	110,3	115,4	120,8	127,8
Cereals	189,8	200,6	205,2	207,0
Macaroni	107,2	111,3	111,3	152,3
Edible salt	59,0	62,3	57,1	57,5
Sugar	167,8	169,6	192,5	190,5
Coffee	13,3	14,7	15,5	18,8
Tea	8,3	9,0	9,1	9,1
Bakery and flour confectionery	583,4	595,3	596,7	577,7
including flour confectionery	166,5	172,5	179,3	170,7
Sugar confectionery	143,0	169,0	188,7	187,2
Fresh fruit and vegetables	853,0	933,8	960,9	1067,0
including fresh vegetables	477,8	519,1	497,2	587,0
Processed fruit and vegetables	79,1	92,2	105,7	121,1
Juices, mln. dal	14,7	16,2	17,7	18,5
Mineral waters, mln. dal	60,5	71,4	85,0	90,1
Alcoholic beverages, mln. dal				
vodka and alcoholic beverages	7,3	7,6	7,4	7,6
low-alcohol beverages	3,1	3,7	3,8	4,4
wine	6,7	7,0	7,0	8,0
cognac	1,5	1,7	1,9	2,1
sparkling wines (champagne)	2,2	2,7	2,8	3,3
beer	60,7	66,4	69,7	73,5
in absolute alcohol	6,7	7,2	7,4	7,9

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.

Electronic commerce 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.

The number of employees is defined by taking into account the regular employees, contractors, and unpaid (owners, founders of enterprise and their family members) employees of enterprises.

Since 2021, in line with the updated methodology, the calculation of indicators on the number and share of enterprises that used information and communications technologies is made for the year during which the state statistical observation *Usage of information and communications technologies at enterprises* is undertaken.

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								
	have access to the Internet			have website			buy cloud computing services		
	2018	2019	2021 ²	2018	2019	2021 ²	2018	2019	2021 ²
Total	88,0	86,4	86,6	35,6	35,2	35,3	9,8	10,3	10,2
Manufacturing	90,0	89,5	90,1	43,7	43,2	44,1	9,3	10,0	9,9
Electricity, gas, steam and air-conditioning supply	93,2	92,3	88,3	42,2	43,0	41,8	9,7	11,6	11,8
Water supply, sewerage, waste management and remediation	93,8	92,4	92,1	22,8	25,0	24,3	7,1	8,8	7,6
Construction	87,9	83,9	83,7	25,1	24,0	23,6	8,9	8,9	8,7
Wholesale and retail trade; repair of motor vehicles and motorcycles	88,1	86,1	87,7	37,7	37,6	38,8	11,3	11,5	11,3
Transport and storage, postal and courier activities	87,8	87,9	85,5	22,4	22,1	21,4	7,5	8,1	7,7
Accommodation and food service activities	81,4	77,2	76,8	37,2	36,8	34,9	8,3	9,5	10,0
Information and communication	90,0	89,2	89,6	57,4	57,1	57,1	15,4	17,5	18,7
Real estate activities	87,8	86,3	89,5	23,4	24,5	23,6	6,8	6,7	6,6
Professional, scientific and technical activities	88,4	87,2	84,4	44,6	43,6	43,8	13,1	13,6	13,5
Administrative and support service activities	80,4	78,2	78,3	23,6	22,9	22,1	8,6	8,3	8,6
Other services	94,1	86,6	85,9	58,8	59,7	54,9	19,1	11,9	17,2

¹ Here and elsewhere (Table 24.2–24.4) data are given for legal entities with the number of employees of 10 people and more

² In line with the updated statistical methodology, the calculation of indicators for 2020 was not carried out

**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								
	have access to the Internet			have website			buy cloud computing services		
	2018	2019	2021 ¹	2018	2019	2021 ¹	2018	2019	2021 ¹
Enterprises, total	88,0	86,4	86,6	35,6	35,2	35,3	9,8	10,3	10,2
including with the number of employees, persons									
10-49	86,3	84,4	84,5	30,9	30,4	30,5	8,6	8,9	9,0
50–249	93,5	93,0	93,8	47,7	47,7	47,8	12,4	13,4	13,9
250 and more	95,9	94,8	94,5	68,3	68,3	69,0	19,6	21,5	22,2

¹ See the second footnote to Table 24.1

24.3. Electronic commerce at enterprises by type of economic activity*(percent)*

	Share of enterprises that were engaged into e-commerce in the total number of enterprises			Share of enterprises that were engaged into e-commerce in the total number of enterprises		
	2018	2019	2020	2018	2019	2020
Total	5,0	4,8	4,9	3,5	4,5	5,0
Manufacturing	5,6	5,3	5,4	2,7	3,1	3,1
Electricity, gas, steam and air-conditioning supply	2,3	1,6	1,8	0,1	0,1	0,1
Water supply, sewerage, waste management and remediation	1,0	1,4	1,3	0,3	0,4	0,4
Construction	2,0	1,6	1,6	0,6	0,7	0,7
Wholesale and retail trade; repair of motor vehicles and motorcycles	7,5	7,4	7,7	4,7	3,7	4,5
Transport and storage, postal and courier activities	3,3	3,1	3,0	7,1	25,7	31,1
Accommodation and food service activities	9,4	10,2	10,1	6,8	8,2	11,6
Information and communication	9,4	9,0	9,5	3,0	3,5	3,5
Real estate activities	1,1	0,7	0,8	1,7	0,2	0,7
Professional, scientific and technical activities	3,0	2,7	2,6	0,7	0,6	1,5
Administrative and support service activities	3,9	3,5	3,3	7,6	3,7	4,1
Other services	7,4	4,5	8,5	0,9	0,8	1,0

24.4. Electronic commerce at enterprises with distribution by number of employees*(percent)*

	Share of enterprises that were engaged into e-commerce in the total number of enterprises			Share of enterprises that were engaged into e-commerce in the total number of enterprises		
	2018	2019	2020	2018	2019	2020
Total	5,0	4,8	4,9	3,5	4,5	5,0
of which with the average number of workers, persons						
10–49	4,2	4,1	4,1	1,9	1,9	2,1
50–249	7,0	6,7	6,7	3,7	3,6	3,9
250 and more	10,6	10,3	10,5	4,0	6,0	6,6

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, 2015/2020 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 2020 is detailed by type of economic activities; it is resulted without taking into account changes of the major type of economic activity of enterprises (except Tables 25.10–25.12).

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	2020
Number of business entities						
Total, thsd. units	2184,1	1974,4	1805,1	1839,7	1941,7	1973,6
enterprises						
percent of total entities	17,4	17,4	18,7	19,3	19,6	18,9
per 10 thsd. present population, units	83	80	80	84	91	90
natural persons-entrepreneurs						
percent of total entities	82,6	82,6	81,3	80,7	80,4	81,1
per 10 thsd. present population, units	394	381	345	351	371	383
Number of persons employed						
Total, thsd. persons	11000,5	8331,9	8271,3	8661,4	9145,5	8982,4
enterprises						
thsd. persons	8186,0	6041,6	5943,2	6088,4	6535,2	6416,6
percent of total persons employed	74,4	72,5	71,9	70,3	71,5	71,4
natural persons-entrepreneurs						
thsd. persons	2814,5	2290,3	2328,1	2573	2610,3	2565,8
percent of total persons employed	25,6	27,5	28,1	29,7	28,5	28,6
Number of employees						
Total, thsd. persons	9073,6	6589,5	6706,2	7088,8	7418,8	7304,9
enterprises						
thsd. persons	8064,2	5930,0	5844,9	5999,5	6369,6	6338,9
percent of total employees	88,9	90,0	87,2	84,6	85,9	86,8
natural persons-entrepreneurs						
thsd. persons	1009,4	659,5	861,3	1089,3	1049,2	966,0
percent of total employees	11,1	10,0	12,8	15,4	14,1	13,2
Volume of the sold products (goods, services)						
Total, mln. UAH	3692554,4	5716431,0	8467031,9	10148847,1	10725442,9	11016796,8
enterprises						
mln. UAH	3462136,2	5318957,7	7862695,2	9388092,1	9841060,7	10004370,5
percent of total volume of the sold products (goods, services)	93,8	93,0	92,9	92,5	91,8	90,8
natural persons-entrepreneurs						
mln. UAH	230418,2	397473,3	604336,7	760755,0	884382,2	1012426,3
percent of total volume of the sold products (goods, services)	6,2	7,0	7,1	7,5	8,2	9,2

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	2020
Total¹, thsd. units	2184,1	1974,4	1805,1	1839,7	1941,7	1973,6
percent						
enterprises	17,4	17,4	18,7	19,3	19,6	18,9
natural persons-entrepreneurs	82,6	82,6	81,3	80,7	80,4	81,1
Agriculture, forestry and fishing						
thsd. units	80,3	79,3	76,6	76,3	75,5	73,4
percent						
enterprises	63,1	59,0	65,4	66,2	66,6	67,4
natural persons-entrepreneurs	36,9	41,0	34,6	33,8	33,4	32,6
Industry						
thsd. units	152,0	135,1	123,9	126,0	130,3	126,9
percent						
enterprises	31,5	31,5	33,9	35,3	36,6	38,1
natural persons-entrepreneurs	68,5	68,5	66,1	64,7	63,4	61,9
Construction						
thsd. units	75,2	55,1	50,3	52,5	56,8	56,9
percent						
enterprises	50,8	52,9	54,7	56,3	56,1	55,6
natural persons-entrepreneurs	49,2	47,1	45,3	43,7	43,9	44,4
Wholesale and retail trade; repair of motor vehicles and motorcycles						
thsd. units	1197,3	989,1	837,8	818,2	834,2	826,4
percent						
enterprises	9,2	9,5	10,7	11,4	12,2	11,9
natural persons-entrepreneurs	90,8	90,5	89,3	88,6	87,8	88,1
Transportation and storage, postal and courier activities						
thsd. units	145,9	119,0	95,8	90,6	96,2	98,3
percent						
enterprises	9,3	12,7	15,9	17,8	18,2	17,8
natural persons-entrepreneurs	90,7	87,3	84,1	82,2	81,8	82,2
Accommodation and food service activities						
thsd. units	50,0	58,4	57,6	61,8	69,7	71,8
percent						
enterprises	19,5	13,2	12,7	12,2	11,3	10,8
natural persons-entrepreneurs	80,5	86,8	87,3	87,8	88,7	89,2
Information and communication						
thsd. units	56,0	116,1	146,9	174,6	206,1	234,2
percent						
enterprises	23,6	11,7	9,1	8,3	7,7	6,9
natural persons-entrepreneurs	76,4	88,3	90,9	91,7	92,3	93,1

ACTIVITY OF ENTERPRISES

Table 25.2 continued

	2010	2015	2017	2018	2019	2020
Financial and insurance activities						
thsd. units	14,6	12,4	10,3	9,7	10,1	10,3
percent						
enterprises	40,4	36,0	39,5	42,5	41,7	40,9
natural persons-entrepreneurs	59,6	64,0	60,5	57,5	58,3	59,1
Real estate activities						
thsd. units	50,4	94,1	90,6	93,4	98,4	94,9
percent						
enterprises	54,8	34,8	37,6	38,9	39,6	37,8
natural persons-entrepreneurs	45,2	65,2	62,4	61,1	60,4	62,2
Professional, scientific and technical activities						
thsd. units	120,7	131,0	121,5	126,1	134,8	140,4
percent						
enterprises	26,7	22,7	22,6	22,8	22,8	21,3
natural persons-entrepreneurs	73,3	77,3	77,4	77,2	77,2	78,7
Administrative and support service activities						
thsd. units	72,6	47,4	46,5	49,2	53,8	53,6
percent						
enterprises	22,1	33,0	34,2	35,1	35,2	34,9
natural persons-entrepreneurs	77,9	67,0	65,8	64,9	64,8	65,1
Education						
thsd. units	10,8	10,9	11,6	13,2	15,4	16,7
percent						
enterprises	22,6	19,2	18,0	17,5	17,1	16,4
natural persons-entrepreneurs	77,4	80,8	82,0	82,5	82,9	83,6
Human health and social work activities						
thsd. units	18,2	21,7	22,1	25,0	31,0	37,6
percent						
enterprises	25,7	19,9	19,5	21,8	22,4	19,7
natural persons-entrepreneurs	74,3	80,1	80,5	78,2	77,6	80,3
Arts, entertainment and recreation						
thsd. units	11,9	14,9	13,0	13,8	15,2	15,8
percent						
enterprises	17,5	14,0	14,8	15,5	15,5	15,1
natural persons-entrepreneurs	82,5	86,0	85,2	84,5	84,5	84,9
Other services						
thsd. units	128,2	89,9	100,6	109,3	114,2	116,4
percent						
enterprises	3,6	4,3	3,4	3,1	3,0	2,8
natural persons-entrepreneurs	96,4	95,7	96,6	96,9	97,0	97,2

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	2020
Total¹, thsd. persons	11000,5	8331,9	8271,3	8661,4	9145,5	8982,4
percent						
enterprises	74,4	72,5	71,9	70,3	71,5	71,4
natural persons-entrepreneurs	25,6	27,5	28,1	29,7	28,5	28,6
Agriculture, forestry and fishing						
thsd. persons	811,7	642,6	635,7	626,1	610,2	569,3
percent						
enterprises	94,7	93,0	93,3	92,8	92,9	92,8
natural persons-entrepreneurs	5,3	7,0	6,7	7,2	7,1	7,2
Industry						
thsd. persons	3291,9	2417,8	2334,2	2317,6	2254,4	2158,9
percent						
enterprises	93,9	93,1	92,2	91,0	91,2	91,8
natural persons-entrepreneurs	6,1	6,9	7,8	9,0	8,8	8,2
Construction						
thsd. persons	524,0	282,5	293,7	312,3	344,4	325,6
percent						
enterprises	90,1	87,8	87,8	87,2	87,5	87,2
natural persons-entrepreneurs	9,9	12,2	12,2	12,8	12,5	12,8
Wholesale and retail trade; repair of motor vehicles and motorcycles						
thsd. persons	2961,0	2202,1	2223,1	2355,6	2385,3	2329,1
percent						
enterprises	41,9	42,0	44,5	43,8	45,6	45,6
natural persons-entrepreneurs	58,1	58,0	55,5	56,2	54,4	54,4
Transportation and storage, postal and courier activities						
thsd. persons	1133,0	931,3	900,7	904,9	907,1	869,4
percent						
enterprises	82,0	83,4	84,8	84,2	83,6	83,0
natural persons-entrepreneurs	18,0	16,6	15,2	15,8	16,4	17,0
Accommodation and food service activities						
thsd. persons	249,3	195,2	224,2	269,8	281,7	244,4
percent						
enterprises	54,0	45,0	41,4	36,6	37,2	33,7
natural persons-entrepreneurs	46,0	55,0	58,6	63,4	62,8	66,3
Information and communication						
thsd. persons	284,4	275,1	303,1	331,6	370,1	382,1
percent						
enterprises	82,1	60,5	52,5	47,8	45,0	40,1
natural persons-entrepreneurs	17,9	39,5	47,5	52,2	55,0	59,9

ACTIVITY OF ENTERPRISES

Table 25.3 continued

	2010	2015	2017	2018	2019	2020
Financial and insurance activities						
thsd. persons	318,8	214,8	201,1	208,7	212,4	207,1
percent						
enterprises	96,9	96,1	96,6	97,0	96,9	96,9
natural persons-entrepreneurs	3,1	3,9	3,4	3,0	3,1	3,1
Real estate activities						
thsd. persons	274,1	239,0	232,7	241,8	251,7	224,2
percent						
enterprises	88,6	70,2	69,9	69,5	69,8	68,0
natural persons-entrepreneurs	11,4	29,8	30,1	30,5	30,2	32,0
Professional, scientific and technical activities						
thsd. persons	405,7	318,7	305,3	309,5	339,9	342,7
percent						
enterprises	74,2	63,8	62,9	61,0	62,2	61,1
natural persons-entrepreneurs	25,8	36,2	37,1	39,0	37,8	38,9
Administrative and support service activities						
thsd. persons	337,9	291,5	280,8	272,0	303,8	294,4
percent						
enterprises	78,5	85,4	83,3	80,1	80,9	81,5
natural persons-entrepreneurs	21,5	14,6	16,7	19,9	19,1	18,5
Education						
thsd. persons	46,7	30,7	32,0	34,5	41,1	41,3
percent						
enterprises	76,4	63,8	56,9	49,9	51,8	50,8
natural persons-entrepreneurs	23,6	36,2	43,1	50,1	48,2	49,2
Human health and social work activities						
thsd. persons	112,1	110,2	117,4	271,6	631,3	790,3
percent						
enterprises	81,5	78,3	75,0	86,7	93,0	93,2
natural persons-entrepreneurs	18,5	21,7	25,0	13,3	7,0	6,8
Arts, entertainment and recreation						
thsd. persons	42,5	48,8	45,1	49,4	50,9	48,0
percent						
enterprises	67,1	64,1	59,0	54,0	54,6	55,2
natural persons-entrepreneurs	32,9	35,9	41,0	46,0	45,4	44,8
Other services						
thsd. persons	207,4	131,6	142,2	156,0	161,2	155,6
percent						
enterprises	20,5	17,9	14,0	10,9	12,1	11,1
natural persons-entrepreneurs	79,5	82,1	86,0	89,1	87,9	88,9

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	2020
Total¹, thsd. persons	9073,6	6589,5	6706,2	7088,8	7418,8	7304,9
percent						
enterprises	88,9	90,0	87,2	84,6	85,9	86,8
natural persons-entrepreneurs	11,1	10,0	12,8	15,4	14,1	13,2
Agriculture, forestry and fishing						
thsd. persons	738,5	581,8	574,2	564,8	553,2	517,2
percent						
enterprises	98,1	97,9	97,2	96,6	96,7	96,7
natural persons-entrepreneurs	1,9	2,1	2,8	3,4	3,3	3,3
Industry						
thsd. persons	3178,5	2314,6	2243,3	2227,6	2152,5	2072,3
percent						
enterprises	97,0	96,8	95,5	94,3	94,6	95,3
natural persons-entrepreneurs	3,0	3,2	4,5	5,7	5,4	4,7
Construction						
thsd. persons	477,7	247,6	265,0	285,1	303,9	295,8
percent						
enterprises	96,9	96,6	95,1	94,0	94,0	94,4
natural persons-entrepreneurs	3,1	3,4	4,9	6,0	6,0	5,6
Wholesale and retail trade; repair of motor vehicles and motorcycles						
thsd. persons	1847,8	1280,9	1456,8	1616,3	1616,7	1586,5
percent						
enterprises	65,8	70,3	66,7	63,0	65,0	66,0
natural persons-entrepreneurs	34,2	29,7	33,3	37,0	35,0	34,0
Transportation and storage, postal and courier activities						
thsd. persons	996,7	823,6	816,8	828,0	822,0	786,3
percent						
enterprises	92,8	93,8	93,2	91,8	91,5	91,5
natural persons-entrepreneurs	7,2	6,2	6,8	8,2	8,5	8,5
Accommodation and food service activities						
thsd. persons	206,5	142,1	172,3	214,1	216,4	179,0
percent						
enterprises	63,9	60,2	53,0	45,4	46,8	45,2
natural persons-entrepreneurs	36,1	39,8	47,0	54,6	53,2	54,8
Information and communication						
thsd. persons	239,1	168,5	166,4	168,1	172,7	161,3
percent						
enterprises	96,6	96,3	93,6	92,2	92,3	93,3
natural persons-entrepreneurs	3,4	3,7	6,4	7,8	7,7	6,7

ACTIVITY OF ENTERPRISES

Table 25.4 continued

	2010	2015	2017	2018	2019	2020
Financial and insurance activities						
thsd. persons	309,1	205,8	194,1	202,3	204,6	200,3
percent						
enterprises	99,6	99,8	99,7	99,7	99,7	99,8
natural persons-entrepreneurs	0,4	0,2	0,3	0,3	0,3	0,2
Real estate activities						
thsd. persons	242,9	168,0	167,3	179,8	176,3	160,0
percent						
enterprises	96,5	94,1	91,9	90,7	90,6	92,0
natural persons-entrepreneurs	3,5	5,9	8,1	9,3	9,4	8,0
Professional, scientific and technical activities						
thsd. persons	310,1	208,3	204,8	205,2	221,0	227,3
percent						
enterprises	94,8	93,2	90,6	88,5	89,0	90,1
natural persons-entrepreneurs	5,2	6,8	9,4	11,5	11,0	9,9
Administrative and support service activities						
thsd. persons	276,5	255,5	246,8	236,8	261,1	256,8
percent						
enterprises	94,1	95,8	93,4	90,5	91,1	92,4
natural persons-entrepreneurs	5,9	4,2	6,6	9,5	8,9	7,6
Education						
thsd. persons	37,6	21,3	22,1	23,0	27,1	26,9
percent						
enterprises	93,1	89,2	80,5	72,6	74,2	76,6
natural persons-entrepreneurs	6,9	10,8	19,5	27,4	25,8	23,4
Human health and social work activities						
thsd. persons	97,3	91,7	98,9	251,3	605,2	759,5
percent						
enterprises	92,7	92,9	88,2	93,4	96,6	96,9
natural persons-entrepreneurs	7,3	7,1	11,8	6,6	3,4	3,1
Arts, entertainment and recreation						
thsd. persons	32,4	35,4	33,5	37,2	37,1	33,9
percent						
enterprises	87,0	86,7	77,9	70,2	72,2	76,4
natural persons-entrepreneurs	13,0	13,3	22,1	29,8	27,8	23,6
Other services						
thsd. persons	82,9	44,4	43,9	49,2	49,0	41,8
percent						
enterprises	50,1	50,2	42,8	32,9	36,9	39,7
natural persons-entrepreneurs	49,9	49,8	57,2	67,1	63,1	60,3

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	2020
Total¹, mln. UAH	3692554,4	5716431,0	8467031,9	10148847,1	10725442,9	11016796,8
percent						
enterprises	93,8	93,0	92,9	92,5	91,8	90,8
natural persons-entrepreneurs	6,2	7,0	7,1	7,5	8,2	9,2
Agriculture, forestry and fishing						
mln. UAH	103561,2	372033,4	467636,1	540509,3	572748,3	613754,2
percent						
enterprises	96,5	97,4	97,2	97,1	97,1	97,0
natural persons-entrepreneurs	3,5	2,6	2,8	2,9	2,9	3,0
Industry						
mln. UAH	1173801,8	1917185,6	2862308,9	3302543,6	3289388,9	3455648,4
percent						
enterprises	98,8	98,5	98,4	98,4	98,2	98,1
natural persons-entrepreneurs	1,2	1,5	1,6	1,6	1,8	1,9
Construction						
mln. UAH	101991,1	150540,5	236497,2	322096,2	394919,4	425088,1
percent						
enterprises	94,8	94,9	93,6	94,0	93,9	94,2
natural persons-entrepreneurs	5,2	5,1	6,4	6,0	6,1	5,8
Wholesale and retail trade; repair of motor vehicles and motorcycles						
mln. UAH	1555284,6	2159334,2	3351185,8	4110094,2	4345851,2	4360127,6
percent						
enterprises	90,4	90,5	91,4	91,6	91,1	89,6
natural persons-entrepreneurs	9,6	9,5	8,6	8,4	8,9	10,4
Transportation and storage, postal and courier activities						
mln. UAH	160170,2	322291,2	479013,7	556047,4	603015,8	562492,9
percent						
enterprises	89,8	91,2	91,3	90,3	90,0	89,3
natural persons-entrepreneurs	10,2	8,8	8,7	9,7	10,0	10,7
Accommodation and food service activities						
mln. UAH	16578,9	29069,3	48965,2	63591,5	77863,2	65030,1
percent						
enterprises	70,0	62,8	60,3	57,7	54,2	44,3
natural persons-entrepreneurs	30,0	37,2	39,7	42,3	45,8	55,7
Information and communication						
mln. UAH	73015,0	141479,6	216803,8	273742,2	334865,3	392066,8
percent						
enterprises	90,3	71,1	64,2	60,4	59,2	54,8
natural persons-entrepreneurs	9,7	28,9	35,8	39,6	40,8	45,2

ACTIVITY OF ENTERPRISES

Table 25.5 continued

	2010	2015	2017	2018	2019	2020
Financial and insurance activities						
mIn. UAH	264857,9	236454,9	222521,6	283551,6	306952,2	338670,8
percent						
enterprises	98,7	99,0	98,6	98,7	98,5	98,5
natural persons-entrepreneurs	1,3	1,0	1,4	1,3	1,5	1,5
Real estate activities						
mIn. UAH	42242,0	90298,1	121182,1	145225,5	166359,9	156935,8
percent						
enterprises	86,4	83,4	82,1	79,7	81,2	79,6
natural persons-entrepreneurs	13,6	16,6	17,9	20,3	18,8	20,4
Professional, scientific and technical activities						
mIn. UAH	151520,8	206687,6	326310,7	379452,1	395448,2	345378,5
percent						
enterprises	95,0	87,4	87,2	85,6	83,5	78,4
natural persons-entrepreneurs	5,0	12,6	12,8	14,4	16,5	21,6
Administrative and support service activities						
mIn. UAH	28731,7	57318,1	81057,4	99682,6	128567,0	120540,4
percent						
enterprises	82,7	85,9	82,6	80,8	81,2	79,5
natural persons-entrepreneurs	17,3	14,1	17,4	19,2	18,8	20,5
Education						
mIn. UAH	1943,8	3101,7	5013,0	6910,4	9905,6	11279,2
percent						
enterprises	79,9	63,7	54,1	51,3	51,5	47,7
natural persons-entrepreneurs	20,1	36,3	45,9	48,7	48,5	52,3
Human health and social work activities						
mIn. UAH	7663,6	12991,0	21525,5	31496,6	58517,3	129934,8
percent						
enterprises	85,1	81,4	81,3	82,6	87,3	92,5
natural persons-entrepreneurs	14,9	18,6	18,7	17,4	12,7	7,5
Arts, entertainment and recreation						
mIn. UAH	3359,1	6955,5	10552,4	13119,1	14948,4	12839,7
percent						
enterprises	83,1	71,8	63,4	59,4	53,9	48,4
natural persons-entrepreneurs	16,9	28,2	36,6	40,6	46,1	51,6
Other services						
mIn. UAH	7832,7	10690,3	16458,5	20784,8	26092,2	27009,5
percent						
enterprises	29,3	31,6	26,5	23,5	22,2	19,8
natural persons-entrepreneurs	70,7	68,4	73,5	76,5	77,8	80,2

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	2020
Total¹, units	378810	343440	338256	355877	380597	373816
percent						
large enterprises	0,2	0,1	0,1	0,1	0,1	0,1
middle-sized enterprises	5,5	4,4	4,4	4,5	4,7	4,7
small enterprises	94,3	95,5	95,5	95,4	95,2	95,2
of which micro enterprises	79,3	82,8	82,2	82,3	82,3	82,4
Agriculture, forestry and fishing						
units	50666	46744	50115	50504	50239	49492
percent						
large enterprises	0,0	0,1	0,0	0,0	0,1	0,1
middle-sized enterprises	6,8	5,4	4,8	4,6	4,5	4,3
small enterprises	93,2	94,5	95,2	95,4	95,4	95,6
of which micro enterprises	84,8	83,9	84,8	85,0	84,9	85,0
Industry						
units	47827	42564	42026	44425	47679	48426
percent						
large enterprises	0,7	0,6	0,5	0,5	0,6	0,5
middle-sized enterprises	12,8	11,0	11,3	11,0	10,5	10,1
small enterprises	86,5	88,4	88,2	88,5	88,9	89,4
of which micro enterprises	64,3	68,2	66,6	67,3	68,4	69,6
Construction						
units	38215	29165	27468	29590	31869	31655
percent						
large enterprises	0,0	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	3,9	2,7	2,9	2,9	2,9	3,0
small enterprises	96,1	97,3	97,1	97,1	97,1	97,0
of which micro enterprises	79,9	84,0	81,8	81,3	81,4	81,5
Wholesale and retail trade; repair of motor vehicles and motorcycles						
units	110154	93643	89538	93590	101427	98654
percent						
large enterprises	0,2	0,1	0,1	0,2	0,2	0,1
middle-sized enterprises	3,7	2,9	3,2	3,2	3,1	3,2
small enterprises	96,1	97,0	96,7	96,6	96,7	96,7
of which micro enterprises	82,7	86,1	85,1	85,3	85,7	85,6

ACTIVITY OF ENTERPRISES

Table 25.6 continued

	2010	2015	2017	2018	2019	2020
Transportation and storage, postal and courier activities						
units	13603	15148	15252	16085	17487	17537
percent						
large enterprises	0,3	0,2	0,1	0,1	0,2	0,2
middle-sized enterprises	9,1	7,3	7,2	7,0	6,6	6,3
small enterprises	90,6	92,5	92,7	92,9	93,2	93,5
of which micro enterprises	69,0	75,7	75,2	75,5	76,5	76,5
Accommodation and food service activities						
units	9777	7700	7285	7535	7885	7716
percent						
large enterprises	0,0	0,0	0,0	0,0	0,1	0,0
middle-sized enterprises	4,3	3,2	3,6	3,5	3,4	3,1
small enterprises	95,7	96,8	96,4	96,5	96,5	96,9
of which micro enterprises	76,1	81,5	79,7	79,8	79,9	82,3
Information and communication						
units	13189	13617	13413	14515	15917	16066
percent						
large enterprises	0,1	0,0	0,1	0,0	0,1	0,0
middle-sized enterprises	3,1	2,5	2,4	2,3	2,2	2,2
small enterprises	96,8	97,5	97,5	97,7	97,7	97,8
of which micro enterprises	81,3	84,7	85,0	85,6	86,2	86,7
Financial and insurance activities						
units	5702	4333	3981	4058	4129	4119
percent						
large enterprises	0,1	0,0	—	0,0	0,1	0,2
middle-sized enterprises	7,7	6,8	6,2	6,6	7,1	7,5
small enterprises	92,2	93,2	93,8	93,4	92,8	92,3
of which micro enterprises	78,9	79,3	79,6	79,4	78,0	78,6
Real estate activities						
units	27603	32719	34058	36332	38980	35860
percent						
large enterprises	0,0	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	2,7	1,5	1,1	1,2	1,1	1,0
small enterprises	97,3	98,5	98,9	98,8	98,9	99,0
of which micro enterprises	83,7	89,9	91,0	91,5	91,6	91,7

ACTIVITY OF ENTERPRISES

Table 25.6 continued

	2010	2015	2017	2018	2019	2020
Professional, scientific and technical activities						
units	32189	29780	27445	28709	30704	29860
percent						
large enterprises	0,0	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	2,9	2,1	2,0	1,9	1,9	1,9
small enterprises	97,1	97,9	98,0	98,1	98,1	98,1
of which micro enterprises	85,4	89,9	89,5	89,6	89,9	89,9
Administrative and support service activities						
units	16011	15646	15936	17290	18917	18686
percent						
large enterprises	0,0	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	6,6	5,7	5,2	4,9	4,5	4,3
small enterprises	93,4	94,3	94,8	95,1	95,5	95,7
of which micro enterprises	73,7	77,7	77,9	78,8	79,4	80,0
Education						
units	2454	2089	2098	2318	2642	2743
percent						
large enterprises	0,0	—	—	—	—	—
middle-sized enterprises	4,4	2,6	2,4	2,4	2,1	1,7
small enterprises	95,6	97,4	97,6	97,6	97,9	98,3
of which micro enterprises	76,4	82,3	82,4	83,4	83,0	83,8
Human health and social work activities						
units	4684	4307	4301	5432	6942	7413
percent						
large enterprises	—	—	—	—	0,0	0,0
middle-sized enterprises	6,3	6,2	6,7	18,4	31,2	34,4
small enterprises	93,7	93,8	93,3	81,6	68,8	65,6
of which micro enterprises	71,5	69,2	65,4	54,8	44,3	41,2
Arts, entertainment and recreation						
units	2078	2089	1926	2135	2351	2386
percent						
large enterprises	0,1	0,1	0,0	0,1	0,1	0,1
middle-sized enterprises	5,1	5,9	5,7	4,8	4,3	4,3
small enterprises	94,8	94,0	94,3	95,1	95,6	95,6
of which micro enterprises	82,7	82,1	80,2	80,6	81,2	82,4
Other services						
units	4658	3896	3414	3359	3429	3203
percent						
large enterprises	—	—	—	—	—	—
middle-sized enterprises	2,0	1,3	1,1	1,1	1,2	1,2
small enterprises	98,0	98,7	98,9	98,9	98,8	98,8
of which micro enterprises	79,2	86,8	88,3	89,3	89,2	89,2

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	2020
Total¹, thsd. persons	7958,2	5889,7	5812,9	5959,5	6407,5	6291,4
percent						
large enterprises	30,2	29,0	26,9	26,4	25,1	24,9
middle-sized enterprises	42,6	44,2	44,6	46,1	47,6	48,3
small enterprises	27,2	26,8	28,5	27,5	27,3	26,8
of which micro enterprises	10,5	11,7	12,3	11,8	12,1	11,4
Agriculture, forestry and fishing						
thsd. persons	768,3	597,6	593,0	581,1	566,7	528,1
percent						
large enterprises	4,3	8,1	4,7	5,7	7,6	7,0
middle-sized enterprises	67,1	57,9	56,6	55,7	53,2	51,9
small enterprises	28,6	34,0	38,7	38,6	39,2	41,1
of which micro enterprises	13,2	14,9	17,6	17,9	17,4	18,4
Industry						
thsd. persons	3091,8	2252,1	2151,6	2110,0	2056,4	1982,1
percent						
large enterprises	45,3	39,0	34,5	34,7	34,7	34,4
middle-sized enterprises	43,0	48,8	51,8	51,2	51,6	50,3
small enterprises	11,7	12,2	13,7	14,1	13,7	15,3
of which micro enterprises	3,0	3,6	3,9	4,0	4,0	4,6
Construction						
thsd. persons	472,1	248,1	257,8	272,2	301,2	283,8
percent						
large enterprises	2,7	1,3	1,8	2,5	3,0	4,2
middle-sized enterprises	44,3	43,7	40,1	40,2	38,3	39,3
small enterprises	53,0	55,0	58,1	57,3	58,7	56,5
of which micro enterprises	19,2	24,4	24,3	23,2	25,0	22,6
Wholesale and retail trade; repair of motor vehicles and motorcycles						
thsd. persons	1241,1	925,7	989,4	1032,4	1087,0	1061,9
percent						
large enterprises	21,1	26,7	28,8	29,2	30,9	32,4
middle-sized enterprises	34,6	34,3	33,9	34,5	33,3	32,7
small enterprises	44,3	39,0	37,3	36,3	35,8	34,9
of which micro enterprises	19,6	20,0	18,5	18,1	18,3	17,4

ACTIVITY OF ENTERPRISES

Table 25.7 continued

	2010	2015	2017	2018	2019	2020
Transportation and storage, postal and courier activities						
thsd. persons	928,5	776,5	764,2	762,3	758,1	721,5
percent						
large enterprises	60,4	59,9	58,5	58,2	56,8	57,4
middle-sized enterprises	28,9	28,9	29,4	29,4	29,1	28,6
small enterprises	10,7	11,2	12,1	12,4	14,1	14,0
of which micro enterprises	3,0	4,0	4,3	4,4	5,3	5,1
Accommodation and food service activities						
thsd. persons	134,5	87,9	92,9	98,7	104,8	82,3
percent						
large enterprises	5,4	c	c	c	c	c
middle-sized enterprises	42,9	c	c	c	c	c
small enterprises	51,7	47,6	46,1	45,7	47,1	46,3
of which micro enterprises	19,1	19,0	17,4	17,4	17,9	18,6
Information and communication						
thsd. persons	233,5	166,4	159,0	158,4	166,6	153,1
percent						
large enterprises	39,3	27,9	23,7	18,8	17,6	18,6
middle-sized enterprises	26,8	32,8	34,8	38,8	36,9	36,3
small enterprises	33,9	39,3	41,5	42,4	45,5	45,1
of which micro enterprises	14,2	18,4	19,7	20,4	22,9	21,6
Financial and insurance activities						
thsd. persons	81,2	54,6	64,0	73,6	78,2	75,4
percent						
large enterprises	22,7	c	—	c	17,6	19,9
middle-sized enterprises	44,9	c	72,1	c	59,0	58,8
small enterprises	32,4	30,9	27,9	23,4	23,4	21,3
of which micro enterprises	14,6	15,2	13,7	11,3	12,3	10,7
Real estate activities						
thsd. persons	242,8	167,7	162,6	168,0	175,7	152,4
percent						
large enterprises	c	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c	c
small enterprises	64,2	73,3	76,1	73,1	77,8	77,1
of which micro enterprises	26,9	40,7	44,1	42,3	47,2	44,0

ACTIVITY OF ENTERPRISES

Table 25.7 continued

	2010	2015	2017	2018	2019	2020
Professional, scientific and technical activities						
thsd. persons	301,1	203,4	191,9	188,7	211,5	209,5
percent						
large enterprises	2,3	3,2	c	c	c	c
middle-sized enterprises	46,9	43,8	c	c	c	c
small enterprises	50,8	53,0	55,2	52,7	55,5	51,2
of which micro enterprises	24,8	30,5	31,3	29,5	32,8	28,6
Administrative and support service activities						
thsd. persons	265,2	249,0	233,8	217,8	245,8	240,0
percent						
large enterprises	c	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c	c
small enterprises	40,9	34,2	39,3	36,2	38,8	40,2
of which micro enterprises	12,0	11,6	13,8	12,5	15,1	14,6
Education						
thsd. persons	35,7	19,6	18,2	17,2	21,3	21,0
percent						
large enterprises	c	—	—	—	—	—
middle-sized enterprises	c	38,8	32,8	35,5	30,7	33,0
small enterprises	48,6	61,2	67,2	64,5	69,3	67,0
of which micro enterprises	17,1	25,9	28,9	25,7	31,0	28,6
Human health and social work activities						
thsd. persons	91,4	86,3	88,0	235,4	586,9	736,6
percent						
large enterprises	—	—	—	—	c	c
middle-sized enterprises	63,3	61,1	57,7	87,8	c	c
small enterprises	36,7	38,9	42,3	12,2	6,2	7,2
of which micro enterprises	13,0	13,2	12,7	2,6	1,5	1,4
Arts, entertainment and recreation						
thsd. persons	28,5	31,3	26,6	26,7	27,8	26,5
percent						
large enterprises	c	9,7	c	c	c	c
middle-sized enterprises	c	60,7	c	c	c	c
small enterprises	35,5	29,6	36,8	38,1	39,7	39,0
of which micro enterprises	14,3	11,8	13,3	12,7	14,7	15,2
Other services						
thsd. persons	42,5	23,5	19,9	17,0	19,5	17,2
percent						
large enterprises	—	—	—	—	—	—
middle-sized enterprises	24,7	23,7	23,1	26,5	26,1	26,7
small enterprises	75,3	76,3	76,9	73,5	73,9	73,3
of which micro enterprises	29,9	39,2	41,7	37,5	41,4	39,2

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	2020
Total¹, thsd. persons	7836,4	5778,1	5714,6	5870,6	6241,9	6213,7
percent						
large enterprises	30,6	29,6	27,3	26,8	25,8	25,2
middle-sized enterprises	43,3	45,0	45,4	46,7	48,9	48,9
small enterprises	26,1	25,4	27,3	26,5	25,3	25,9
of which micro enterprises	9,7	10,2	10,9	10,6	10,0	10,4
Agriculture, forestry and fishing						
thsd. persons	724,8	569,4	558,1	545,7	535,0	499,9
percent						
large enterprises	4,5	8,5	4,9	6,0	8,1	7,4
middle-sized enterprises	71,1	60,7	60,1	59,3	56,3	54,8
small enterprises	24,4	30,8	35,0	34,7	35,6	37,8
of which micro enterprises	8,4	10,9	12,8	12,9	12,9	14,1
Industry						
thsd. persons	3082,5	2241,4	2142,6	2101,4	2037,1	1974,1
percent						
large enterprises	45,5	39,1	34,7	34,8	35,0	34,5
middle-sized enterprises	43,1	49,0	52,0	51,4	52,0	50,5
small enterprises	11,4	11,9	13,3	13,8	13,0	15,0
of which micro enterprises	2,9	3,3	3,6	3,7	3,2	4,3
Construction						
thsd. persons	462,8	239,2	251,9	268,0	285,6	279,3
percent						
large enterprises	2,8	1,4	1,9	2,5	3,2	4,2
middle-sized enterprises	45,1	45,3	41,0	40,8	40,3	39,9
small enterprises	52,1	53,3	57,1	56,7	56,5	55,9
of which micro enterprises	18,9	21,8	22,9	22,2	21,4	21,6
Wholesale and retail trade; repair of motor vehicles and motorcycles						
thsd. persons	1215,1	899,9	971,3	1017,8	1051,2	1047,0
percent						
large enterprises	21,5	27,5	29,4	29,6	31,9	32,9
middle-sized enterprises	35,4	35,2	34,4	35,0	34,5	33,1
small enterprises	43,1	37,3	36,2	35,4	33,6	34,0
of which micro enterprises	19,0	17,9	17,2	17,1	15,8	16,3

ACTIVITY OF ENTERPRISES

Table 25.8 continued

	2010	2015	2017	2018	2019	2020
Transportation and storage, postal and courier activities						
thsd. persons	924,5	772,7	760,9	760,0	751,8	719,1
percent						
large enterprises	60,6	60,2	58,7	58,3	57,3	57,6
middle-sized enterprises	29,1	29,0	29,5	29,5	29,3	28,7
small enterprises	10,3	10,8	11,8	12,2	13,4	13,7
of which micro enterprises	2,9	3,6	3,9	4,1	4,6	4,8
Accommodation and food service activities						
thsd. persons	132,0	85,5	91,3	97,2	101,3	80,9
percent						
large enterprises	5,5	c	c	c	c	c
middle-sized enterprises	43,8	c	c	c	c	c
small enterprises	50,7	46,2	45,2	44,9	45,3	45,4
of which micro enterprises	18,7	17,0	16,2	16,2	15,5	17,4
Information and communication						
thsd. persons	231,0	162,3	155,8	155,0	159,4	150,5
percent						
large enterprises	39,7	28,6	24,2	19,2	18,4	19,0
middle-sized enterprises	27,1	33,6	35,5	39,6	38,6	36,9
small enterprises	33,2	37,8	40,3	41,2	43,0	44,1
of which micro enterprises	13,9	16,5	18,2	18,8	19,7	20,3
Financial and insurance activities						
thsd. persons	80,1	53,5	63,2	72,8	76,3	74,6
percent						
large enterprises	23,0	c	—	c	18,1	20,2
middle-sized enterprises	45,5	c	72,9	c	60,4	59,3
small enterprises	31,5	29,6	27,1	22,6	21,5	20,5
of which micro enterprises	14,1	13,7	12,9	10,5	10,3	9,9
Real estate activities						
thsd. persons	234,4	158,1	153,7	163,0	159,7	147,2
percent						
large enterprises	c	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c	c
small enterprises	62,9	71,7	74,7	72,3	75,6	76,3
of which micro enterprises	26,4	37,4	41,1	40,7	42,2	42,2

ACTIVITY OF ENTERPRISES

Table 25.8 continued

	2010	2015	2017	2018	2019	2020
Professional, scientific and technical activities						
thsd. persons	294,0	194,2	185,5	181,7	196,7	204,7
percent						
large enterprises	2,3	3,4	c	c	c	c
middle-sized enterprises	48,0	45,9	c	c	c	c
small enterprises	49,7	50,7	53,7	50,9	52,2	50,1
of which micro enterprises	24,2	27,3	29,1	26,9	28,0	27,1
Administrative and support service activities						
thsd. persons	260,3	244,7	230,4	214,4	237,9	237,3
percent						
large enterprises	c	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c	c
small enterprises	39,8	33,0	38,5	35,2	36,8	39,5
of which micro enterprises	11,7	10,1	12,7	11,2	12,6	13,7
Education						
thsd. persons	35,0	19,0	17,8	16,7	20,1	20,6
percent						
large enterprises	c	—	—	—	—	—
middle-sized enterprises	c	40,0	33,7	36,5	32,5	33,7
small enterprises	47,6	60,0	66,3	63,5	67,5	66,3
of which micro enterprises	16,7	24,0	27,4	23,7	27,6	27,3
Human health and social work activities						
thsd. persons	90,2	85,2	87,2	234,6	584,9	736,0
percent						
large enterprises	—	—	—	—	c	c
middle-sized enterprises	64,1	61,8	58,2	88,1	c	c
small enterprises	35,9	38,2	41,8	11,9	5,9	7,2
of which micro enterprises	12,7	12,3	12,0	2,3	1,3	1,4
Arts, entertainment and recreation						
thsd. persons	28,2	30,7	26,1	26,1	26,8	25,9
percent						
large enterprises	c	9,9	c	c	c	c
middle-sized enterprises	c	62,0	c	c	c	c
small enterprises	34,9	28,1	35,6	36,9	37,5	37,6
of which micro enterprises	14,1	10,0	11,6	11,1	11,8	13,4
Other services						
thsd. persons	41,5	22,3	18,8	16,2	18,1	16,6
percent						
large enterprises	—	—	—	—	—	—
middle-sized enterprises	25,3	25,0	24,5	27,7	28,2	27,6
small enterprises	74,7	75,0	75,5	72,3	71,8	72,4
of which micro enterprises	29,6	36,3	38,6	34,9	37,1	37,4

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	2020
Total¹, mln. UAH	3366228,2	5159067,1	7707935,2	9206049,5	9639730,6	9781088,8
percent						
large enterprises	41,6	39,8	38,0	38,2	37,7	36,4
middle-sized enterprises	41,5	42,0	42,8	42,6	43,2	43,0
small enterprises	16,9	18,2	19,2	19,2	19,1	20,6
of which micro enterprises	5,4	6,0	6,5	6,5	6,4	7,1
Agriculture, forestry and fishing						
mln. UAH	99891,4	362310,0	454380,1	525096,9	556325,9	595167,2
percent						
large enterprises	11,7	16,9	8,6	10,4	13,3	12,5
middle-sized enterprises	65,6	50,6	52,4	51,9	49,6	48,2
small enterprises	22,7	32,5	39,0	37,7	37,1	39,3
of which micro enterprises	10,0	9,4	11,9	11,6	11,8	12,9
Industry						
mln. UAH	1159231,4	1887535,4	2817768,9	3248378,6	3230045,2	3391641,3
percent						
large enterprises	64,3	57,1	54,6	55,1	53,6	50,1
middle-sized enterprises	31,1	36,6	38,7	37,9	39,5	42,0
small enterprises	4,6	6,3	6,7	7,0	6,9	7,9
of which micro enterprises	1,1	1,4	1,5	1,6	1,5	2,0
Construction						
mln. UAH	96725,3	142871,9	221404,9	302718,0	370760,6	400418,6
percent						
large enterprises	6,4	13,4	5,0	6,3	8,7	12,5
middle-sized enterprises	55,7	42,3	45,2	45,3	43,1	42,4
small enterprises	37,9	44,3	49,8	48,4	48,2	45,1
of which micro enterprises	12,9	16,2	17,8	16,4	15,1	14,1

ACTIVITY OF ENTERPRISES

Table 25.9 continued

	2010	2015	2017	2018	2019	2020
Wholesale and retail trade; repair of motor vehicles and motorcycles						
mIn. UAH	1406132,7	1953257,7	3061652,9	3764364,9	3958371,1	3908836,2
percent						
large enterprises	29,3	28,9	28,5	29,3	30,9	31,6
middle-sized enterprises	45,6	47,7	47,9	48,0	47,8	44,5
small enterprises	25,1	23,4	23,6	22,7	21,3	23,9
of which micro enterprises	8,0	8,1	8,2	8,0	7,1	8,4
Transportation and storage, postal and courier activities						
mIn. UAH	143791,5	293959,4	437226,5	502228,6	542968,2	502302,7
percent						
large enterprises	60,9	52,1	50,9	52,8	51,7	52,3
middle-sized enterprises	28,5	34,3	33,9	30,3	31,2	29,2
small enterprises	10,6	13,6	15,2	16,9	17,1	18,5
of which micro enterprises	3,2	4,6	5,0	5,5	6,0	6,6
Accommodation and food service activities						
mIn. UAH	11613,4	18250,0	29548,2	36700,0	42201,9	28800,0
percent						
large enterprises	13,1	c	c	c	c	c
middle-sized enterprises	55,7	c	c	c	c	c
small enterprises	31,2	29,4	31,4	34,1	33,3	32,8
of which micro enterprises	9,2	8,8	9,4	10,5	10,0	12,1
Information and communication						
mIn. UAH	65925,6	100590,4	139117,0	165282,5	198276,7	214794,6
percent						
large enterprises	49,8	38,3	30,6	31,0	31,6	31,7
middle-sized enterprises	29,9	36,0	39,9	38,0	37,3	36,1
small enterprises	20,3	25,7	29,5	31,0	31,1	32,2
of which micro enterprises	7,4	9,4	12,2	13,1	13,3	14,3

ACTIVITY OF ENTERPRISES

Table 25.9 continued

	2010	2015	2017	2018	2019	2020
Financial and insurance activities						
mIn. UAH	165569,8	74175,6	64573,1	97760,3	101088,8	110431,6
percent						
large enterprises	6,2	c	—	c	7,8	14,3
middle-sized enterprises	87,8	c	70,9	c	72,4	66,1
small enterprises	6,0	15,6	29,1	21,0	19,8	19,6
of which micro enterprises	1,3	2,7	6,8	4,7	5,2	4,6
Real estate activities						
mIn. UAH	36482,9	75284,6	99482,4	115807,3	135127,9	124920,6
percent						
large enterprises	c	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c	c
small enterprises	57,3	51,8	60,7	60,7	59,7	66,8
of which micro enterprises	20,3	22,0	29,2	31,4	30,5	33,6
Professional, scientific and technical activities						
mIn. UAH	143937,3	180668,7	284548,0	324960,4	330127,3	270844,7
percent						
large enterprises	64,6	63,1	c	c	c	c
middle-sized enterprises	18,4	18,8	c	c	c	c
small enterprises	17,0	18,1	15,9	16,3	18,3	22,9
of which micro enterprises	6,6	7,5	7,4	7,3	8,7	10,7
Administrative and support service activities						
mIn. UAH	23768,9	49242,3	66974,8	80538,1	104410,9	95785,7
percent						
large enterprises	c	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c	c
small enterprises	45,2	38,0	43,8	42,4	41,1	43,5
of which micro enterprises	16,0	12,8	17,7	17,7	17,3	19,3

ACTIVITY OF ENTERPRISES

Table 25.9 continued

	2010	2015	2017	2018	2019	2020
Education						
mIn. UAH	1552,2	1975,6	2713,6	3544,3	5104,2	5381,1
percent						
large enterprises	c	—	—	—	—	—
middle-sized enterprises	c	42,8	37,5	38,2	37,2	38,4
small enterprises	38,9	57,2	62,5	61,8	62,8	61,6
of which micro enterprises	13,4	19,8	28,5	28,1	30,7	31,6
Human health and social work activities						
mIn. UAH	6523,4	10573,2	17499,3	26005,1	51090,8	120214,2
percent						
large enterprises	—	—	—	—	c	c
middle-sized enterprises	76,2	71,7	70,9	81,3	c	c
small enterprises	23,8	28,3	29,1	18,7	12,0	8,3
of which micro enterprises	6,2	6,1	6,0	3,1	2,5	1,5
Arts, entertainment and recreation						
mIn. UAH	2789,8	4995,1	6688,3	7786,6	8050,8	6209,9
percent						
large enterprises	c	39,6	c	c	c	c
middle-sized enterprises	c	33,9	c	c	c	c
small enterprises	26,5	26,5	37,0	39,0	47,3	41,8
of which micro enterprises	11,4	12,6	17,3	17,4	20,3	17,0
Other services						
mIn. UAH	2292,6	3377,2	4357,2	4877,9	5780,3	5340,4
percent						
large enterprises	—	—	—	—	—	—
middle-sized enterprises	42,3	46,1	32,1	35,2	34,3	34,5
small enterprises	57,7	53,9	67,9	64,8	65,7	65,5
of which micro enterprises	22,3	23,2	33,6	27,4	28,2	33,3

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				
2017	9961779,1	43,2	56,7	0,1
2018	10878050,6	42,1	57,8	0,1
2019	11494975,4	42,1	57,8	0,1
2020	12682480,1	41,9	58,0	0,1
Agriculture, forestry and fishing				
2017	911614,1	29,9	70,1	0,0
2018	983593,6	33,5	66,5	0,0
2019	1030366,7	37,8	62,2	0,0
2020	1130304,9	37,1	62,9	0,0
Industry				
2017	3142639,6	43,3	56,7	0,0
2018	3431936,8	44,2	55,8	0,0
2019	3639017,3	48,2	51,8	0,0
2020	3981332,5	45,6	54,3	0,1
Construction				
2017	370445,5	31,3	68,5	0,2
2018	463461,0	28,9	70,8	0,3
2019	541815,4	27,0	72,9	0,1
2020	597073,1	28,1	71,8	0,1
Wholesale and retail trade; repair of motor vehicles and motorcycles				
2017	1993356,9	13,9	86,1	0,0
2018	2313749,1	12,9	87,1	0,0
2019	2498322,7	13,9	86,0	0,1
2020	2681378,9	13,8	86,2	0,0
Transportation and storage, postal and courier activities				
2017	1001820,9	78,3	21,7	0,0
2018	1027836,6	74,5	25,5	0,0
2019	930387,7	72,9	27,1	0,0
2020	1200279,3	73,0	26,9	0,1
Accommodation and food service activities				
2017	39357,8	62,5	37,4	0,1
2018	46083,9	64,0	35,9	0,1
2019	48679,0	62,5	37,4	0,1
2020	54873,0	63,9	36,1	0,0
Information and communication				
2017	149640,0	54,3	44,5	1,2
2018	171769,6	56,5	42,3	1,2
2019	191559,7	61,7	37,0	1,3
2020	218658,5	56,7	43,3	0,0

¹ See the footnote to Table 25.6

ACTIVITY OF ENTERPRISES

by type of economic activity¹

(end of the year; percent)

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
24,7	17,4	57,9	0,0
24,9	16,2	58,9	0,0
26,9	14,2	58,9	0,0
26,3	15,1	58,6	0,0
47,9	6,5	45,6	0,0
49,1	8,4	42,5	0,0
50,8	9,0	40,2	0,0
54,2	6,8	39,0	0,0
17,5	18,7	63,8	0,0
18,8	17,5	63,7	0,0
25,0	15,8	59,2	0,0
21,1	18,6	60,3	0,0
×	28,3	77,0	0,1
×	23,9	77,5	0,1
2,3	16,0	81,7	0,0
3,0	14,0	83,0	0,0
1,3	14,8	83,9	0,0
4,4	10,8	84,8	0,0
7,6	9,6	82,8	0,0
8,8	9,4	81,8	0,0
61,2	14,3	24,5	0,0
54,4	16,5	29,1	0,0
49,9	15,0	35,1	0,0
51,5	16,0	32,5	0,0
×	45,4	61,5	0,0
6,1	37,6	56,3	0,0
12,7	29,2	58,1	0,0
9,8	30,1	60,1	0,0
19,1	30,7	50,2	0,0
22,6	26,6	50,8	0,0
26,3	20,9	52,8	0,0
25,3	29,1	45,6	0,0

ACTIVITY OF ENTERPRISES

	Balance, mln. UAH	Assets		
		fixed assets	working assets	fixed assets and groups disposal
Financial and insurance activities				
2017	353430,4	33,4	66,0	0,6
2018	415714,2	37,8	61,7	0,5
2019	476069,0	31,9	67,6	0,5
2020	553297,1	28,9	70,6	0,5
Real estate activities				
2017	596069,3	59,7	40,2	0,1
2018	699137,4	55,4	44,4	0,2
2019	750855,1	55,5	44,4	0,1
2020	816998,3	56,3	43,6	0,1
Professional, scientific and technical activities				
2017	975232,5	60,4	39,6	0,0
2018	871965,4	60,7	39,3	0,0
2019	905989,2	51,9	48,1	0,0
2020	856862,7	56,0	44,0	0,0
Administrative and support service activities				
2017	363954,4	76,7	23,2	0,1
2018	371192,5	76,1	23,9	0,0
2019	355819,5	69,5	30,4	0,1
2020	385520,9	66,6	33,3	0,1
Education				
2017	3214,0	66,2	33,8	0,0
2018	4345,9	64,4	35,6	0,0
2019	6006,9	60,0	39,9	0,1
2020	9728,8	71,1	28,9	0,0
Human health and social work activities				
2017	15873,1	67,4	32,6	0,0
2018	26936,7	68,9	31,1	0,0
2019	66625,3	76,3	23,7	0,0
2020	142217,9	69,4	30,6	0,0
Arts, entertainment and recreation				
2017	37363,8	73,7	26,3	0,0
2018	40533,7	72,3	27,7	0,0
2019	42577,9	80,6	19,4	0,0
2020	42892,0	76,4	23,6	0,0
Other services				
2017	7766,8	53,5	46,5	0,0
2018	9794,2	67,2	32,8	0,0
2019	10884,0	64,1	35,9	0,0
2020	11062,2	59,5	40,5	0,0

ACTIVITY OF ENTERPRISES

Table 25.10 continued

Liabilities			
own capital	long-term liabilities and provision	current liabilities and provision	obligations of fixed assets and disposal groups and net assets of private pension funds
35,2	26,1	38,1	0,6
36,0	24,0	39,4	0,6
35,5	16,2	47,7	0,6
36,7	15,4	47,3	0,6
×	42,1	62,0	0,0
0,5	36,1	63,4	0,0
12,7	25,2	62,1	0,0
9,7	26,5	63,8	0,0
50,1	8,6	41,3	0,0
55,2	9,6	35,2	0,0
52,1	12,4	35,5	0,0
48,0	13,8	38,2	0,0
60,7	9,2	30,1	0,0
58,4	8,2	33,4	0,0
36,9	15,2	47,9	0,0
35,6	12,3	52,1	0,0
64,3	3,3	32,4	0,0
41,1	16,9	42,0	0,0
25,7	22,8	51,5	0,0
52,4	5,2	42,4	0,0
29,4	26,8	43,8	0,0
49,3	17,9	32,8	0,0
69,9	8,8	21,3	0,0
66,7	11,1	22,2	0,0
25,1	30,7	44,2	0,0
35,3	23,1	41,6	0,0
40,6	9,5	49,9	0,0
44,1	10,4	45,5	0,0
33,8	3,9	62,3	0,0
48,1	3,9	47,9	0,1
44,7	6,1	49,2	0,0
44,6	1,2	54,2	0,0

ACTIVITY OF ENTERPRISES

25.11. Financial outcome before taxation, by type of economic activity¹

(mln. UAH)

	2010	2015	2017	2018	2019	2020
Total						
financial outcome (balance)	58334,0	-340126,6	274831,6	429129,3	664849,8	303219,3
profit	212008,6	475321,2	674386,5	746530,5	933160,0	848622,7
loss	153674,6	815447,8	399554,9	317401,2	268310,2	545403,4
share of enterprises that made a loss	41,0	26,3	27,2	25,7	26,0	28,6
Agriculture, forestry and fishing						
financial outcome (balance)	17291,8	103137,6	69344,1	71478,5	94041,4	82230,6
profit	22306,1	128880,2	89876,7	94402,3	116561,3	108581,4
loss	5014,3	25742,6	20532,6	22923,8	22519,9	26350,8
share of enterprises that made a loss	30,5	11,5	13,8	13,7	16,9	17,3
Industry						
financial outcome (balance)	31221,1	-181360,9	87461,7	154138,2	166753,2	-22289,6
profit	68933,1	90315,9	232213,1	277850,4	283690,5	210676,8
loss	37712,0	271676,8	144751,4	123712,2	116937,3	232966,4
share of enterprises that made a loss	41,3	27,1	28,2	27,2	27,9	30,3
Construction						
financial outcome (balance)	-4418,2	-25074,1	-3535,8	6433,9	15974,8	-2047,8
profit	4905,1	5648,1	10300,0	15411,8	24958,7	16418,9
loss	9323,3	30722,2	13835,8	8977,9	8983,9	18466,7
share of enterprises that made a loss	44,7	28,9	28,5	27,2	26,2	29,1
Wholesale and retail trade; repair of motor vehicles and motorcycles						
financial outcome (balance)	14883,5	-80564,3	39296,3	86290,5	129113,3	45272,0
profit	42655,9	56898,4	89285,4	116641,6	159827,3	118199,0
loss	27772,4	137462,7	49989,1	30351,1	30714,0	72927,0
share of enterprises that made a loss	37,5	23,9	24,8	22,8	22,9	25,6
Transportation and storage, postal and courier activities						
financial outcome (balance)	5058,9	-13921,8	-16532,6	-22661,6	14414,8	17013,3
profit	10387,7	23093,7	28509,1	31475,4	44391,5	67223,5
loss	5328,8	37015,5	45041,7	54137,0	29976,7	50210,2
share of enterprises that made a loss	45,4	29,1	28,5	25,9	26,2	28,3
Accommodation and food service activities						
financial outcome (balance)	-548,1	-7094,4	1976,8	2886,5	4648,0	-4440,9
profit	619,8	771,4	4300,4	4393,3	6205,9	2059,2
loss	1167,9	7865,8	2323,6	1506,8	1557,9	6500,1
share of enterprises that made a loss	42,7	28,1	30,5	28,6	29,1	40,9
Information and communication						
financial outcome (balance)	4101,4	-10166,6	15195,3	18181,0	24838,8	16961,1
profit	8168,5	12057,3	22717,3	23846,7	29818,4	29652,8
loss	4067,1	22223,9	7522,0	5665,7	4979,6	12691,7
share of enterprises that made a loss	41,0	29,0	31,6	29,6	28,5	28,9

ACTIVITY OF ENTERPRISES

Table 25.11 continued

	2010	2015	2017	2018	2019	2020
Financial and insurance activities						
financial outcome (balance)	15627,0	-171,3	56159,7	84667,0	69326,6	196913,0
profit	38445,2	103182,0	107856,3	110930,0	92632,9	214119,8
loss	22818,2	103353,3	51696,6	26263,0	23306,3	17206,8
share of enterprises that made a loss	41,1	36,7	36,2	35,5	32,5	32,7
Real estate activities						
financial outcome (balance)	-6537,7	-63470,1	-15430,7	16,3	47317,5	-36027,1
profit	4743,7	39330,9	19372,7	23108,9	62345,0	24280,3
loss	11281,4	102801,0	34803,4	23092,6	15027,5	60307,4
share of enterprises that made a loss	50,1	39,4	38,4	36,4	33,7	39,2
Professional, scientific and technical activities						
financial outcome (balance)	-15110,3	-47964,1	45611,6	26147,7	84025,1	-9583,4
profit	8218,6	10023,2	61283,4	34778,2	89920,5	21489,7
loss	23328,9	57987,3	15671,8	8630,5	5895,4	31073,1
share of enterprises that made a loss	42,5	30,4	31,6	30,0	30,3	31,5
Administrative and support service activities						
financial outcome (balance)	-1578,5	-9425,1	-2967,3	482,5	11446,8	875,3
profit	1606,8	3797,8	6583,0	10398,4	15749,7	12380,3
loss	3185,3	13222,9	9550,3	9915,9	4302,9	11505,0
share of enterprises that made a loss	44,0	30,7	31,6	29,7	29,4	34,0
Education						
financial outcome (balance)	88,3	105,3	121,5	178,6	377,7	143,8
profit	163,1	225,7	241,9	363,5	558,2	551,5
loss	74,8	120,4	120,4	184,9	180,5	407,7
share of enterprises that made a loss	35,7	28,5	34,1	30,0	31,1	33,6
Human health and social work activities						
financial outcome (balance)	9,8	-961,1	320,4	1249,3	1990,8	19616,0
profit	406,5	547,7	1075,2	2204,0	4327,5	21672,2
loss	396,7	1508,8	754,8	954,7	2336,7	2056,2
share of enterprises that made a loss	39,3	30,2	34,5	30,6	28,9	23,9
Arts, entertainment and recreation						
financial outcome (balance)	-1784,6	-3489,2	-2198,1	-496,1	120,3	-1540,3
profit	248,2	109,0	559,5	468,6	1587,0	907,1
loss	2032,8	3598,2	2757,6	964,7	1466,7	2447,4
share of enterprises that made a loss	48,7	37,4	38,9	36,5	34,6	46,6
Other services						
financial outcome (balance)	29,6	293,5	8,7	137,0	460,7	123,3
profit	200,3	439,9	212,5	257,4	585,6	410,2
loss	170,7	146,4	203,8	120,4	124,9	286,9
share of enterprises that made a loss	37,9	27,5	31,8	28,3	27,3	32,9

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	2020
Total	4,0	1,0	8,8	8,1	10,2	6,2
Agriculture, forestry and fishing	22,9	41,7	22,4	18,3	19,2	18,6
Industry	3,5	0,9	6,8	6,3	5,5	3,9
Construction	-1,5	-7,6	1,6	3,0	4,6	1,3
Wholesale and retail trade; repair of motor vehicles and motorcycles	9,8	-0,9	18,8	23,3	25,3	16,2
Transportation and storage, postal and courier activities	5,6	1,1	-1,0	-1,6	4,1	4,4
Accommodation and food service activities	-1,8	-17,3	7,8	8,6	10,1	-7,9
Information and communication	7,4	0,5	13,8	13,1	15,4	14,7
Financial and insurance activities	3,5	-8,9	2,8	1,2	7,8	3,5
Real estate activities	0,3	-33,4	6,2	16,3	34,7	-6,3
Professional, scientific and technical activities	-6,6	-1,1	19,4	8,9	26,2	2,4
Administrative and support service activities	-3,3	-11,9	2,6	0,1	7,0	5,5
Education	4,9	5,7	3,7	5,8	11,0	7,1
Human health and social work activities	4,0	-0,6	3,3	3,7	3,0	11,2
Arts, entertainment and recreation	-26,9	-25,3	-15,5	-1,5	1,0	-10,6
Other services	4,3	7,3	-0,4	2,7	6,1	3,4

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 are the scientific and technical activity based on scientific knowledge that is obtained as a result of scientific research and practical experience. It is implemented in order to bring this knowledge to the stage of practical usage. The result of the scientific and technical (experimental) developments is the

new or significantly improved materials, products, processes, devices, technologies, systems, intellectual property rights, new or significantly improved services.

Spending for R&D performance is the general sum of spending for R&D performance using organisation's own resources. The spending includes internal current expenses (labour costs, material costs, other current expenses) and capital costs related to the implementation of R&D.

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 the new or improved good, service and/or technology which significantly differs from those existing on the market or creates a new demand and is available for consumption by consumers/users. 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		
	2018	2019	2020	2018	2019	2020
Number of employees engaged in R&D performance	88128	79262	78860	41323	36989	37501
researchers	57630	51121	51427	25780	22649	23338
technicians	8553	7470	7117	4994	4511	4137
auxiliary staff	21945	20671	20316	10549	9829	10026

26.2. Number of employees engaged in R&D performance, by education level*(persons)*

	Total			Of which women		
	2018	2019	2020	2018	2019	2020
Number of employees engaged in R&D performance	88128	79262	78860	41323	36989	37501
have tertiary education	76455	68744	68060	36202	32364	32277
Doctors of Science	7043	6526	7060	1884	1766	2053
PH.D. (candidates of Sciences)	18806	16929	17949	8837	7900	8530
Masters (specialists)	43291	39148	37406	21586	19489	18670
bachelors (junior bachelors, junior specialist)	7315	6141	5645	3895	3209	3024
other educational levels	11673	10518	10800	5121	4625	5224

26.3. Number of employees engaged in R&D performance, by branch of science*(persons)*

	Total			Of which women		
	2018	2019	2020	2018	2019	2020
Number of employees engaged in R&D performance	88128	79262	78860	41323	36989	37501
by branch of science						
natural	21805	21305	21106	10138	10039	10064
technical	43423	39033	36837	16625	14982	14286
medical	5461	4192	4914	3789	2993	3384
agricultural	7428	6508	6212	4208	3711	3611
social	6968	6096	7187	4655	3994	4565
humanitarian	3043	2128	2604	1908	1270	1591

SCIENCE AND INNOVATIONS

26.4. Number of researchers, engaged in R&D performance, by age*(persons)*

	Total			Of which women		
	2018	2019	2020	2018	2019	2020
Number of researchers engaged in R&D performance	57630	51121	51427	25780	22649	23338
of whom those aged						
less than 25	1213	955	949	498	361	369
25–29	4610	3582	3165	2040	1640	1403
30–34	6725	5602	5418	3229	2644	2700
35–39	6767	6198	6239	3439	3181	3256
40–44	6011	5367	5714	2917	2576	2780
45–49	4919	4606	4927	2515	2251	2434
50–54	4838	3996	4123	2558	2172	2263
55–59	6106	5249	4957	3022	2543	2504
60–64	5768	5262	5191	2336	2154	2295
65 and older	10673	10304	10744	3226	3127	3334

26.5. Spending for R&D performance, by type of spending*(mln. UAH)*

	2018	2019	2020
Spending for R&D performance	16773,7	17254,6	17022,4
domestic current spending	16009,3	16330,0	16350,9
spending for staff's labour remuneration	8553,0	8758,3	9211,3
other current spending	7456,3	7571,7	7139,6
capital spending	764,4	924,6	671,5
of which for equipment	588,0	513,0	334,6

SCIENCE AND INNOVATIONS

26.6. Spending for R&D performance in 2020, 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	17022,4	4259,0	3971,4	8792,0
one's own funds	2105,5	112,1	351,5	1641,9
budget funds	7411,8	3857,6	2458,2	1096,0
of which state budget funds	7344,7	3823,9	2444,2	1076,6
funds from state sector organisations	799,8	123,5	82,7	593,6
funds from entrepreneurship sector organisations	2527,8	84,2	581,3	1862,3
funds from tertiary sector organisations	15,8	1,0	2,9	11,9
funds from private non-profit organisations	10,4	0,1	2,8	7,5
funds from foreign sources	4083,2	56,0	453,4	3573,8
funds from other sources	68,1	24,5	38,6	5,0

26.7. Spending for R&D performance in 2020, 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	17022,4	4259,0	3971,4	8792,0
by branch of science				
natural	3944,8	2086,4	954,0	904,4
technical	9824,8	1077,3	1181,3	7566,2
medical	745,5	109,9	599,2	36,4
agricultural	1217,4	365,7	590,5	261,2
social	845,8	289,5	538,8	17,5
humanitarian	444,1	330,2	107,6	6,3

SCIENCE AND INNOVATIONS

26.8. Indicators of innovation activity of industrial enterprises^{1,2}

	2010	2015	2017	2018	2019	2020
Number of innovatively active industrial enterprises						
Total, units	1462	824	759	777	782	808
percent of total number of industrial enterprises	13,8	17,3	16,2	16,4	15,8	16,8
Spending of innovation industrial enterprises						
Total, mln. UAH	8045,5	13813,7	9117,5	12180,1	14220,9	14406,9
percent of total volume of the sold products (goods, services) industrial enterprises	0,9	0,8	0,4	0,4	0,5	0,6
percent of total volume of the sold products (goods, services) active industrial enterprises	2,1	2,2	1,1	1,4	1,4	1,4
Number of industrial enterprises that implemented innovation (products and/or technology processes)						
Total, units	1217	723	672	739	687	717
percent of total number of industrial enterprises	11,5	15,2	14,3	15,6	13,8	14,9
Number of innovation products (goods, services) authorized by industrial enterprises						
Total, units	2408	3136	2387	3843	2148	4066
of which new and/or improved types of machinery, equipment	663	966	751	920	760	647
Volume of the sold innovation industrial products (goods, services)						
Total, mln. UAH	33697,6	23050,1	17714,2	24861,1	34264,9	47526,2
percent of total volume of the sold products (goods, services) industrial enterprises	3,8	1,4	0,7	0,8	1,3	1,9

¹ For 2010, data on legal persons and separate units of legal persons who are taking industrial activity² For 2015/2020, data are presented on legal persons that are taking industrial activity with the average number of employees 50 and more

SCIENCE AND INNOVATIONS

26.9. Expenses for innovations of industrial enterprises by innovation activity area

	2010		2015		2019		2020	
	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	14220,9	100,0	14406,9	100,0
including by purpose								
R&D, performed on the their own	818,5	10,2	1834,1	13,3	2449,9	17,2	2650,4	18,4
R&D, performed by other enterprises	177,9	2,2	205,4	1,5	469,0	3,3	835,9	5,8
other innovation costs (except R&D)	7049,1	87,6	11774,2	85,2	11302,0	79,5	10920,6	75,8

26.10. Expenses for innovations of industrial enterprises by source of financing

	2010		2015		2019		2020	
	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	14220,9	100,0	14406,9	100,0
including on account of								
Central budget	87,0	1,1	55,1	0,4	556,5	3,9	279,5	1,9
local budgets	5,7	0,1	38,4	0,3	109,9	0,8	51,1	0,4
own funds	4775,2	59,4	13427,0	97,2	12474,9	87,7	12297,7	85,4
funds of resident investors	31,0	0,4	74,3	0,5	72,3	0,5	45,2	0,3
funds of non-resident investors	2411,4	30,0	58,6	0,4	42,5	0,3	125,3	0,9
other sources	735,2	9,0	160,3	1,2	964,8	6,8	1608,1	11,1

SCIENCE AND INNOVATIONS

**26.11. Number of industrial enterprises that implemented innovation
(products and/or technological processes)**

(units)

	2018		2019		2020	
	total, units	percentage of total industrial enterprises	total, units	percentage of total industrial enterprises	total, units	percentage of total industrial enterprises
Total	739	15,6	687	13,8	717	14,9
including						
implemented new technological processes	451	9,5	478	9,6	532	11,1
implemented new or significantly improved products (goods, services)	637	13,5	336	6,8	584	12,2
of which						
new types of machines	171	3,6	137	2,8	121	2,5

**26.12. Number of the innovative products (goods, services) implemented
by industrial enterprises**

(units)

	2010	2015	2018	2019	2020
Number of introduced innovative products (goods, services)	2408	3136	3843	2148	4066
of which new to the market	606	548	968	418	691
Number of new and/or improved types of machines, equipment	663	966	920	760	647
of which new to the market	298	310	271	171	216

26.13. Amount of innovation industrial products sold (goods, services)

(mln. UAH)

	2010	2015	2018	2019	2020
Total	33697,6	23050,1	24861,1	34264,9	47526,2
including new products	10995,1	7284,2	7863,7	6826,2	6778,9

27. INTERNATIONAL COMPARISONS¹

27.1. Area and population in 2019

Country	Area, thsd.sq.km	Population on average per year, mln.	Population growth rate (decrease) over 2018, percent	Capital
Ukraine	603,5	41,9²	-0,6	Kyiv
Austria	83,9	8,9	0,5	Vienna
Azerbaijan	86,6	10,0	0,9	Baku
Albania	28,7	2,9	-0,2	Tirana
Belgium	30,5	11,5	0,5	Brussels
Belarus	207,6	9,5	-0,2	Minsk
Bulgaria	111,0	7,0	-0,7	Sofia
Bosnia and Herzegovina	51,2	...	-0,8	Sarajevo
United Kingdom of Great Britain and Northern Ireland	242,9	...	0,6	London
Armenia	29,7	3,0	0,2	Yerevan
Greece	132,0	10,7	-0,2	Athens
Georgia	69,7	3,7	0,0	Tbilisi
Denmark	43,1	5,8	0,5	Copenhagen
Estonia	45,2	1,3	0,3	Tallinn
Israel	22,1	9,1	1,9	Jerusalem
Ireland	70,3	4,9	1,2	Dublin
Iceland	103,0	0,4	2,7	Reykjavik
Spain	506,0	47,1	0,4	Madrid
Italy	301,3	59,7	-0,2	Rome
Kazakhstan	2724,9	18,5	1,3	Nur-Sultan
Canada	9970,6	37,6	1,4	Toronto
Kyrgyzstan	199,9	6,5	2,0	Bishkek
Cyprus	9,3	0,9	0,8	Nicosia
Latvia	64,6	1,9	-0,8	Riga
Lithuania	65,3	2,8	-1,0	Vilnius
Liechtenstein	0,2	0,04	0,3	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 2018, percent	Capital
Luxembourg	2,6	0,6	1,9	Luxemburg
Malta	0,3	0,5	3,5	Valletta
Netherlands	41,5	17,3	0,6	Amsterdam
Germany	357,0	83,1	0,3	Berlin
Norway	323,8	5,4	0,7	Oslo
North Macedonia	25,7	2,1	0,0	Skopje
Poland	312,7	38,0	0,0	Warsaw
Portugal	92,0	10,3	-0,2	Lisbon
Moldova, Republic of	33,8	2,7	-1,7	Chisinau
Russian Federation	17075,4	...	0,0	Moscow
Romania	238,4	19,4	-0,6	Bucharest
Serbia	88,4	7,0	-0,5	Belgrade
Slovakia	49,0	5,5	0,1	Bratislava
Slovenia	20,3	2,1	0,4	Ljubljana
USA	9629,1	328,2	0,5	Washington
Tajikistan	143,1	9,2	2,5	Dushanbe
Turkey	774,8	82,6	1,5	Ankara
Turkmenistan	488,1	...	1,6	Ashgabat
Hungary	93,0	9,8	-0,1	Budapest
Uzbekistan	447,4	33,9	1,7	Tashkent
Finland	338,2	5,5	0,1	Helsinki
France	551,5	67,3	0,3	Paris
Croatia	56,5	4,1	-0,9	Zagreb
Czechia	78,9	10,7	0,3	Prague
Montenegro	13,8	0,6	0,0	Podgorica
Switzerland	41,3	8,6	0,7	Bern
Sweden	450,0	10,3	1,2	Stockholm

² Resident population

INTERNATIONAL COMPARISONS

27.2. Total fertility rate

(average number of births that born a woman)

	2000	2005	2010	2015	2017	2018	2019
Ukraine	1,1	1,2	1,4	1,5¹	1,4¹	1,3¹	1,2¹
Austria	1,4	1,4	1,4	1,5	1,5	1,5	1,5
Azerbaijan	2,0	2,3	2,3	2,1	1,9	1,8	1,8
Albania	2,4	1,8	...	1,7	1,5	1,4	...
Belgium	1,6	1,7	1,9	1,7	1,6	1,6	1,6
Belarus	1,3	1,2	1,5	1,7	1,5	1,4	...
Bulgaria	1,3	1,4	1,6	1,5	1,6	1,6	1,6
Bosnia and Herzegovina	1,3	1,2	1,3	1,2	1,3	1,3	1,2
United Kingdom of Great Britain and Northern Ireland	1,6	1,8	1,9	1,8	1,7	1,7	...
Armenia	1,3	1,3	1,5	1,6	1,6	1,6	1,6
Greece	1,2	1,3	1,5	1,3	1,4	1,4	1,3
Georgia	1,5	1,4	2,0	2,3	2,1	2,1	2,0
Denmark	1,8	1,8	1,9	1,7	1,8	1,7	1,7
Estonia	1,4	1,5	1,7	1,6	1,6	1,7	1,7
Israel	3,0	2,8	3,0	3,1	3,1	3,1	...
Ireland	1,9	1,9	2,0	1,8	1,8	1,8	1,7
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	1,2
Italy	1,3	1,3	1,5	1,4	1,3	1,3	1,3
Kazakhstan	1,8	2,2	2,6	2,7	2,7	2,8	2,9
Canada	1,5	1,5	1,6	1,6	1,5	1,5	1,5
Kyrgyzstan	2,4	2,5	3,0	3,2	3,0	3,3	3,3
Cyprus	1,6	1,5	1,4	1,3	1,3	1,3	1,3
Latvia	1,2	1,4	1,4	1,7	1,7	1,6	1,6
Lithuania	1,4	1,3	1,5	1,7	1,6	1,6	1,6
Luxembourg	1,8	1,6	1,6	1,5	1,4	1,4	1,3

INTERNATIONAL COMPARISONS

Table 27.2 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	1,7	1,4	1,4	1,4	1,3	1,2	1,1
Netherlands	1,7	1,7	1,8	1,7	1,6	1,6	1,6
Germany	1,4	1,3	1,4	1,5	1,6	1,6	1,5
Norway	1,8	1,8	2,0	1,7	1,6	1,6	1,5
North Macedonia	1,9	1,5	1,6	1,5	1,4	1,4	1,3
Poland	1,4	1,2	1,4	1,3	1,5	1,5	1,4
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	1,3	1,2	1,8
Russian Federation	1,2	1,3	1,6	...	...	...	...
Romania	1,3	1,4	1,6	1,6	1,8	1,8	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	1,6
Slovenia	1,3	1,3	1,6	1,6	1,6	1,6	1,6
USA	2,1	2,1	1,9	1,8	1,8	1,7	...
Tajikistan	3,5	3,3	3,6	3,8	3,8	...	...
Turkey	2,3	2,2	2,0	2,1	2,1	2,0	1,9
Hungary	1,3	1,3	1,2	1,4	1,5	1,6	1,6
Uzbekistan	2,6	2,4	2,3	2,5	2,4	2,8	2,8
Finland	1,7	1,8	1,9	1,6	1,5	1,4	1,4
France	1,9	1,9	2,0	2,0	1,9	1,9	1,9
Croatia	...	1,5	1,6	1,4	1,4	1,5	1,5
Czechia	1,2	1,3	1,5	1,6	1,7	1,7	1,7
Montenegro	...	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	1,7

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	2017	2018	2019
Ukraine	73,5	74,0¹	75,5²	76,3³	76,8³	76,7³	77,0³
Austria	81,2	82,2	83,5	83,7	84,0	84,1	84,2
Azerbaijan	75,1	75,1	76,2	77,6	77,8	78,2	78,7
Albania	...	...	...	79,7	80,1	80,5	80,7
Belgium	81,0	81,9	83,0	83,4	83,9	83,9	84,3
Belarus	74,7	75,1	76,5	78,9	79,2	79,4	79,4
Bulgaria	75,0	76,2	77,4	78,2	78,4	78,6	78,8
Bosnia and Herzegovina	76,7	77,5	78,1	78,8	79,6	79,6	79,6
United Kingdom of Great Britain and Northern Ireland	80,3	81,3	82,6	82,8	83,1	83,1	...
Armenia	75,8	76,2	76,4	78,2	78,7	79,0	79,5
Greece	81,3	82,5	83,3	83,7	83,9	84,4	84,2
Georgia	73,8	73,7	75,8	77,3	77,8	78,2	78,4
Denmark	79,2	80,5	81,4	82,7	83,1	82,9	83,5
Estonia	76,4	78,2	80,8	82,2	82,6	82,7	83,0
Israel	81,1	82,1	84,1	84,1	84,6	84,8	84,7
Ireland	79,2	81,3	83,1	83,4	84,0	84,1	84,7
Iceland	81,6	83,5	84,1	83,8	84,3	84,5	84,7
Spain	82,8	83,6	85,5	85,7	86,1	86,3	86,7
Italy	82,8	83,6	84,7	84,9	85,2	85,6	85,7
Kazakhstan	71,1	72,2	73,4	76,3	76,9	77,2	77,3
Canada	81,6	82,3	83,3	83,9	84,0	84,0	84,2
Kyrgyzstan	72,4	71,9	73,5	74,8	75,4	75,6	75,8
Cyprus	80,1	80,8	83,9	83,7	84,2	84,8	84,4
Latvia	...	76,3	78,0	79,5	79,7	79,7	80,1
Lithuania	77,4	77,4	78,9	79,7	80,5	80,7	81,2
Luxembourg	81,3	82,3	83,5	84,7	84,4	84,6	85,2

INTERNATIONAL COMPARISONS

Table 27.3 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	80,5	81,4	83,6	84,1	84,6	84,6	84,6
Netherlands	80,7	81,7	83,0	83,2	83,4	83,4	83,7
Germany	81,2	82,0	83,0	83,1	83,4	83,3	83,7
Norway	81,5	82,7	83,3	84,2	84,3	84,5	84,7
North Macedonia	75,2	75,9	77,2	77,4	77,9	78,8	78,6
Poland	78,0	79,3	80,7	81,6	81,8	81,7	81,9
Portugal	80,4	81,5	83,2	84,3	84,6	84,5	84,8
Moldova, Republic of	71,2	71,7	73,4	73,7	74,9	75,0	75,1
Russian Federation	72,4	72,4	74,9	...	...	...	...
Romania	74,8	75,4	77,7	78,6	79,0	79,2	79,5
Serbia	75,1	75,4	76,6	77,9	78,1	78,4	78,6
Slovakia	77,5	78,1	79,3	80,2	80,7	80,8	81,2
Slovenia	79,9	80,9	83,1	83,9	84,0	84,4	84,5
USA	79,3	79,9	81,1	...	...	...	...
Tajikistan	70,3	73,2	74,4	75,6	76,9	76,9	76,8
Turkey	73,1	76,6	79,4	81,0	81,3	81,6	81,8
Hungary	76,2	77,2	78,6	79,0	79,3	79,6	79,7
Finland	81,2	82,5	83,5	84,4	84,5	84,5	84,8
France	83,0	83,8	85,3	85,6	85,7	85,8	85,9
Croatia	...	78,8	79,9	80,5	81,0	81,5	81,6
Czechia	78,5	79,2	80,9	81,6	82,0	82,0	82,2
Montenegro	76,7	76,8	78,5	78,6	79,2	79,3	79,5
Switzerland	82,8	84,0	84,9	85,1	85,6	85,7	85,8
Sweden	82,0	82,9	83,6	84,1	84,1	84,3	84,8

¹ SSSU data for 2004, 2005² SSSU data for 2009, 2010³ See the footnote for Table 27.2

INTERNATIONAL COMPARISONS

27.4. Males life expectancy at birth*(years)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	62,1	62,2¹	65,3²	66,4³	67,0³	66,7³	66,9³
Austria	75,2	76,6	77,8	78,8	79,4	79,4	79,7
Azerbaijan	68,6	69,6	70,9	72,7	73,1	73,3	74,0
Albania	...	...	...	76,3	77,1	77,4	77,6
Belgium	74,6	76,2	77,5	78,7	79,2	79,4	79,8
Belarus	63,4	62,9	64,6	68,6	69,3	69,2	69,3
Bulgaria	68,4	69,0	70,3	71,2	71,4	71,5	71,6
Bosnia and Herzegovina	71,3	72,1	72,9	73,7	74,6	74,6	74,6
United Kingdom of Great Britain and Northern Ireland	75,5	77,0	78,6	79,2	79,5	79,5	...
Armenia	70,1	70,1	70,1	71,7	71,9	72,4	73,1
Greece	75,9	76,8	78,0	78,5	78,8	79,3	79,2
Georgia	66,2	66,0	66,7	68,7	69,2	69,7	69,8
Denmark	74,5	76,0	77,2	78,8	79,2	79,1	79,5
Estonia	65,6	67,6	70,9	73,2	73,8	74,0	74,5
Israel	76,7	78,2	80,2	80,1	80,6	80,9	81,0
Ireland	74,0	76,7	78,5	79,6	80,4	80,4	80,8
Iceland	77,8	79,6	79,8	81,2	81,1	81,3	81,7
Spain	75,8	77,0	79,2	80,1	80,6	80,7	81,1
Italy	76,9	78,1	79,5	80,3	80,8	81,2	81,4
Kazakhstan	60,1	60,4	63,6	67,5	68,7	68,8	68,8
Canada	76,3	77,6	78,8	79,8	79,9	79,9	80,0
Kyrgyzstan	64,9	64,2	65,3	66,7	67,2	67,4	67,6
Cyprus	75,4	76,5	79,2	79,9	80,2	80,9	80,3
Latvia	...	64,9	67,9	69,7	69,8	70,1	70,9
Lithuania	66,7	65,2	67,6	69,2	70,7	70,9	71,6
Luxembourg	74,6	76,7	77,9	80,0	79,9	80,1	80,2

INTERNATIONAL COMPARISONS

Table 27.4 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	76,3	77,3	79,3	79,8	80,2	80,4	81,2
Netherlands	75,6	77,2	78,9	79,9	80,2	80,3	80,6
Germany	75,1	76,7	78,0	78,3	78,7	78,6	79,0
Norway	76,0	77,8	79,0	80,5	81,0	81,1	81,3
North Macedonia	70,8	71,6	72,9	73,5	74,1	74,6	74,7
Poland	69,6	70,8	72,2	73,5	73,9	73,7	74,1
Portugal	73,3	74,9	76,8	78,1	78,4	78,3	78,7
Moldova, Republic of	63,9	63,8	65,0	65,2	66,7	66,3	66,8
Russian Federation	59,2	59,0	63,1	...	...	...	...
Romania	67,7	68,4	70,0	71,4	71,6	71,7	71,9
Serbia	69,5	70,0	71,4	72,8	73,1	73,5	73,4
Slovakia	69,2	70,2	71,8	73,1	73,8	73,9	74,3
Slovenia	72,2	73,9	76,4	77,8	78,2	78,5	78,7
USA	74,1	74,9	76,2	...	...	...	...
Tajikistan	66,1	68,1	70,8	71,8	73,0	73,3	73,5
Turkey	69,0	72,2	74,2	75,4	75,7	76,2	76,4
Hungary	67,5	68,7	70,7	72,3	72,5	72,7	73,1
Finland	74,2	75,6	76,9	78,7	78,9	79,1	79,3
France	75,3	76,7	78,2	79,2	79,6	79,7	79,9
Croatia	...	71,7	73,4	74,4	74,9	74,9	75,5
Czechia	71,6	72,9	74,5	75,7	76,1	76,2	76,4
Montenegro	71,5	71,3	73,6	74,4	73,9	74,5	74,0
Switzerland	77,0	78,7	80,3	80,8	81,6	81,9	82,1
Sweden	77,4	78,5	79,6	80,4	80,8	80,9	81,5

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	2017	2018	2019
Ukraine	62,6	61,7	62,1	60,4	60,7	62,1	63,2
Austria	62,4	64,5	68,4	70,3	71,2	71,3	71,7
Azerbaijan	79,7	71,3	67,9	68,3	69,2	69,7	70,3
Albania	...	...	59,8	56,6	58,5	...	62,4
Belgium	56,6	59,4	61,7	62,8	62,9	64,0	64,6
Belarus	65,6	...	...	75,4	75,8	74,8	75,5
Bulgaria	56,3	57,9	62,6	65,5	67,2	67,1	68,9
United Kingdom of Great Britain and Northern Ireland	67,0	67,9	68,5	70,8	71,9	72,3	...
Armenia	...	...	57,4	54,7	50,9	50,4	52,6
Greece	49,1	55,1	57,4	59,8	60,1	59,6	59,9
Georgia	54,1	58,3	62,8	64,6	65,1	63,1	61,7
Denmark	75,3	75,6	74,4	73,3	74,8	75,1	75,9
Estonia	66,0	67,9	71,3	73,0	75,2	75,7	75,9
Israel	56,3	58,4	60,9	68,3	68,6	69,3	69,1
Ireland	55,3	60,6	64,6	65,2	66,6	67,1	67,3
Iceland	80,7	77,4	78,6	81,0	80,3	79,3	79,9
Spain	51,0	58,7	66,1	68,9	68,6	68,5	68,8
Italy	46,5	50,5	51,4	54,1	55,9	56,5	57,1
Kazakhstan	...	72,2	72,3	71,7	72,0	73,4	73,5
Canada	69,2	71,7	72,9	73,2	73,8	73,8	74,1
Kyrgyzstan	62,1	58,0	56,3	53,3	49,1	48,0	48,4
Cyprus	55,7	61,9	65,4	67,5	67,6	68,5	68,7
Latvia	61,9	64,6	71,2	72,1	73,5	74,4	74,4
Lithuania	67,6	...	...	72,6	74,7	75,9	77,0
Luxembourg	50,8	55,5	58,6	64,5	65,3	66,5	66,4

INTERNATIONAL COMPARISONS

Table 27.5 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	...	...	42,3	55,5	60,2	63,6	65,3
Netherlands	65,2	67,4	71,8	74,0	74,7	75,1	75,9
Germany	62,6	67,0	70,1	72,4	73,8	74,0	74,9
Norway	75,8	74,1	75,4	75,9	75,1	75,2	75,5
North Macedonia	...	...	50,2	51,9	51,6	52,1	54,8
Poland	59,7	56,9	55,9	58,6	59,0	59,3	59,2
Portugal	63,7	67,8	69,7	70,2	71,6	72,1	72,7
Moldova, Republic of	...	52,9	44,5	62,3	61,6	42,1	47,0
Russian Federation	65,6	67,4	67,9	...	...	...	...
Romania	61,8	56,9	56,2	56,9	58,8	58,8	59,4
Serbia	...	...	49,3	55,7	59,5	60,5	61,2
Slovakia	62,7	61,5	62,1	64,5	66,2	66,2	66,7
Slovenia	63,3	66,0	67,6	67,9	71,6	71,9	72,1
USA	68,8	67,3	66,0	65,4	66,3	66,8	67,4
Turkey	28,5	24,9	29,2	34,3	36,8	37,4	37,7
Hungary	50,9	54,4	55,6	61,5	63,5	64,1	64,5
Finland	74,2	72,7	72,6	74,4	74,9	76,3	76,6
France	59,4	61,7	63,0	66,3	66,7	67,3	67,4
Croatia	...	54,6	59,6	62,1	61,6	62,3	62,4
Czechia	63,6	62,6	61,9	66,4	68,6	69,6	69,7
Montenegro	...	54,5	53,9	57,1	57,0	57,9	60,4
Switzerland	71,3	74,0	74,8	77,9	78,5	79,0	79,4
Sweden	73,2	76,4	76,2	79,9	80,7	81,0	81,2

INTERNATIONAL COMPARISONS

27.6. Labour force of men aged 15–64 year old*(percent)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	71,8	71,6	72,4	72,6	73,1	73,4	74,5
Austria	79,1	76,6	78,5	78,3	79,2	79,6	79,8
Azerbaijan	88,0	78,7	72,5	73,3	74,8	74,9	75,1
Albania	...	...	77,8	72,6	77,0	...	77,4
Belgium	73,7	73,9	73,2	71,7	71,9	72,1	72,3
Belarus	73,6	...	...	81,7	82,0	82,3	82,0
Bulgaria	65,7	66,3	71,1	73,0	75,3	75,7	77,5
United Kingdom of Great Britain and Northern Ireland	81,1	80,5	79,8	80,5	80,6	80,9	...
Armenia	...	...	71,7	64,8	63,0	74,2	74,2
Greece	74,3	77,3	76,8	76,4	76,9	76,8	76,3
Georgia	70,5	74,7	80,1	83,5	78,5	78,0	76,8
Denmark	83,1	83,1	81,0	79,8	80,3	80,8	81,8
Estonia	74,6	72,5	76,4	79,8	82,0	82,0	81,4
Israel	67,2	66,9	68,1	75,9	75,5	74,4	74,0
Ireland	78,8	80,1	78,7	78,9	78,8	78,7	79,1
Iceland	86,6	83,4	83,0	84,8	85,3	84,6	84,1
Spain	76,8	80,6	80,1	79,1	78,3	78,3	78,1
Italy	74,2	74,3	73,5	73,9	74,7	75,1	75,3
Kazakhstan	...	80,1	79,9	80,8	81,6	81,5	82,1
Canada	79,9	80,3	79,2	80,0	79,8	79,4	79,9
Kyrgyzstan	72,5	78,6	80,4	78,7	78,3	78,2	77,8
Cyprus	75,8	80,3	74,9	74,4	75,2	76,1	77,2
Latvia	73,2	72,6	74,8	77,4	78,1	78,9	78,5
Lithuania	75,0	73,0	73,2	75,9	77,2	78,8	78,9
Luxembourg	75,0	73,3	73,0	74,0	72,3	72,9	74,8

INTERNATIONAL COMPARISONS

Table 27.6 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	80,2	77,6	76,8	80,9	83,0	84,3	84,8
Netherlands	83,2	81,6	82,2	83,3	83,0	83,4	83,8
Germany	77,1	79,6	80,5	80,6	82,2	82,2	82,8
Norway	83,3	80,4	80,3	80,0	79,0	80,0	80,4
North Macedonia	...	...	77,4	77,4	78,3	78,2	77,2
Poland	70,2	68,9	68,9	71,4	72,1	72,0	72,4
Portugal	78,5	78,8	77,8	76,4	77,7	78,0	78,1
Moldova, Republic of	...	53,1	48,4	65,9	67,0	45,6	52,6
Russian Federation	75,2	75,0	77,7	...	...	...	...
Romania	75,3	71,6	73,8	75,8	76,4	77,3	78,2
Serbia	...	...	65,4	71,7	73,6	74,9	74,7
Slovakia	75,4	76,1	76,7	77,7	78,5	79,0	79,1
Slovenia	71,4	74,8	75,3	75,3	76,8	77,8	77,6
USA	79,2	78,0	75,8	74,5	75,1	75,6	75,8
Turkey	76,6	71,5	71,0	74,3	75,7	75,7	74,9
Hungary	65,6	66,3	66,0	73,7	76,5	77,3	78,3
Finland	78,6	75,7	75,8	76,3	77,8	78,8	79,2
France	70,5	71,1	70,9	73,3	73,7	73,8	73,4
Croatia	...	66,2	70,6	71,4	71,7	71,3	71,7
Czechia	77,9	78,5	79,2	81,4	82,8	83,2	83,3
Montenegro	...	69,8	69,6	68,2	70,7	72,8	74,4
Switzerland	89,2	87,1	86,7	87,0	87,2	87,2	87,1
Sweden	77,0	80,9	81,8	83,5	84,3	84,4	84,7

INTERNATIONAL COMPARISONS

27.7. Unemployment rate*(percentage of labor force)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine¹	11,6	7,2	8,1	9,1	9,5	8,8	8,2
Austria	3,9	5,6	4,8	5,7	5,5	4,9	4,5
Azerbaijan	11,8	7,3	5,7	5,0	5,0	...	...
Albania	16,8	14,1	14,0	17,1	13,8	12,4	11,6
Belgium	6,9	8,5	8,3	8,5	7,1	6,0	5,4
Belarus	...	...	...	5,2	5,7	4,8	4,2
Bulgaria	16,4	10,1	10,3	9,2	6,2	5,2	4,1
Bosnia and Herzegovina	...	...	42,6	43,2	38,4	36,0	...
United Kingdom of Great Britain and Northern Ireland	5,4	4,8	7,8	5,3	4,3	4,0	...
Armenia	11,7	8,6	7,0	18,0	17,8	16,4	...
Greece	11,2	10,0	12,7	24,9	21,5	19,3	...
Georgia	10,3	15,1	17,4	14,1	13,9	12,7	11,6
Denmark	4,3	4,8	7,7	6,3	5,8	5,1	5,0
Estonia	14,6	8,0	16,7	6,2	5,8	5,4	...
Israel	8,8	9,0	6,6	5,2	4,2	4,0	...
Ireland	4,5	4,6	14,6	10,0	6,7	5,8	5,0
Iceland	2,3	2,6	7,6	4,0	2,8	2,7	3,5
Spain	11,9	9,2	19,9	22,1	17,2	15,3	14,1
Italy	10,0	7,7	8,4	11,9	11,2	10,6	...
Kazakhstan	12,8	8,1	5,8	5,0	4,9	4,9	4,8
Canada	6,8	6,8	8,1	6,9	6,3	5,8	...
Kyrgyzstan	7,5	8,1	8,6	7,6	6,9	6,2	5,5
Cyprus	4,8	5,3	6,3	15,0	11,1	8,4	7,5
Latvia	14,3	10,0	19,5	9,9	8,7	7,4	6,4
Lithuania	16,4	8,3	17,8	9,1	7,1	6,2	6,3
Luxembourg	2,2	4,6	4,6	6,5	5,6	5,5	5,5

INTERNATIONAL COMPARISONS

Table 27.7 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	6,7	6,9	6,8	5,4	4,0	3,7	3,5
Netherlands	3,7	5,9	5,0	6,9	4,9	3,8	3,4
Germany	7,9	11,2	7,0	4,6	3,8	3,4	3,2
Norway	3,2	4,5	3,7	4,5	4,2	3,9	...
North Macedonia	32,2	37,3	32,0	26,0	22,4	...	...
Poland	16,1	17,9	9,7	7,5	4,9	3,9	3,4
Portugal	5,1	8,8	12,0	12,6	9,0	7,0	6,6
Moldova, Republic of	8,5	7,3	7,4	5,0	4,1	3,0	5,1
Russian Federation	10,6	7,1	7,3	...	...	...	...
Romania	7,6	7,1	7,0	6,8	4,9	4,2	3,9
Serbia	12,1	20,8	19,2	17,7	13,5	12,7	10,4
Slovakia	18,9	16,4	14,5	11,5	8,1	6,5	5,8
Slovenia	6,7	6,5	7,3	9,0	6,6	5,1	4,6
USA	4,0	5,1	9,6	5,3	4,4	3,9	3,7
Tajikistan	2,7	1,9	2,1	2,3	2,2	2,1	...
Turkey	5,2	9,5	11,1	10,3	10,9	11,0	...
Hungary	6,3	7,2	11,2	6,8	4,2	3,7	...
Uzbekistan	...	...	5,4	5,2	5,8	9,3	9,0
Finland	9,8	8,4	8,4	9,4	8,6	7,4	6,7
France	8,6	8,9	9,3	10,4	9,4	9,1	8,5
Croatia	16,1	13,0	11,8	16,1	11,0	8,4	6,8
Czechia	8,8	7,9	7,3	5,1	2,9	2,2	2,0
Montenegro	...	30,3	19,7	17,6	16,1	15,2	...
Switzerland	2,7	4,5	4,8	4,8	4,8	4,7	4,4
Sweden	5,6	7,7	8,6	7,4	6,7	6,3	6,8

¹ For population aged 15–70

INTERNATIONAL COMPARISONS

27.8. GDP¹*(USD bln. at purchasing power parities of 2010)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	...	738,3	747,7	666,3	699,4	723,2	...
Austria	288,1	314,4	335,5	353,6	369,3	378,8	384,2
Azerbaijan	48,5	91,2	195,0	219,1	212,6	215,5	220,3
Albania	15,8	21,1	27,2	29,8	31,9	33,2	33,9
Belgium	343,6	378,3	407,2	434,4	447,0	455,0	463,1
Belarus	119,9	171,8	244,1	259,0	259,0	267,2	271,0
Bulgaria	80,6	106,4	124,8	136,3	146,4	150,9	156,5
Bosnia and Herzegovina	24,6	30,5	35,1	37,5	39,9	41,4	42,5
United Kingdom of Great Britain and Northern Ireland	1936,9	2212,2	2269,6	2508,5	2596,2	2628,7	2664,7
Armenia	11,5	20,8	25,1	31,1	33,5	35,2	37,5
Greece	265,6	321,4	316,1	257,4	259,4	263,5	268,4
Georgia	20,6	29,3	37,9	48,3	52,1	54,6	57,3
Denmark	195,7	209,1	211,3	225,3	239,2	244,4	251,4
Estonia	21,1	30,0	29,5	34,8	37,9	39,5	41,5
Israel	173,2	190,9	235,4	280,1	301,3	311,7	322,5
Ireland	125,2	162,4	165,7	229,8	255,8	277,6	293,0
Iceland	13,6	16,6	17,5	20,1	22,2	23,3	23,9
Spain	1130,8	1329,1	1394,0	1392,2	1477,1	1513,0	1542,5
Italy	1826,5	1911,6	1884,2	1821,1	1875,4	1893,1	1898,5
Kazakhstan	274,0	448,8	606,6	773,0	834,8	869,0	908,5
Canada	1150,4	1301,9	1372,8	1525,7	1591,8	1636,1	1665,2
Kyrgyzstan	18,0	21,6	26,9	34,0	37,2	38,5	40,3
Cyprus	19,3	23,6	26,9	24,7	27,6	29,0	29,9
Latvia	28,4	42,1	41,1	49,1	51,9	53,9	55,0
Lithuania	42,1	60,8	64,4	77,6	83,0	86,2	90,0
Luxemburg	32,5	37,6	42,5	48,9	52,1	53,7	54,9

INTERNATIONAL COMPARISONS

Table 27.8 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	9,4	10,2	11,9	15,5	17,5	18,4	19,4
Netherlands	622,4	665,3	712,5	739,5	777,7	796,1	809,5
Germany	2698,1	2771,0	2938,4	3195,0	3351,2	3393,7	3412,5
Norway	246,1	274,4	287,8	313,5	324,3	327,9	330,7
North Macedonia	16,9	18,6	22,7	25,6	26,6	27,4	28,2
Poland	527,9	613,4	774,7	896,1	968,9	1020,8	1069,2
Portugal	251,4	262,5	270,4	259,2	273,7	281,5	288,6
Moldova, Republic of	...	...	32,6	39,1	42,7	44,6	46,1
Russian Federation	2442,7	3290,7	3916,4	...	...	...	...
Romania	249,4	328,1	377,2	434,1	487,8	509,7	530,7
Serbia	76,0	103,8	120,3	125,6	132,5	138,5	144,4
Slovakia	74,4	95,0	120,8	137,1	144,2	149,4	153,2
Slovenia	45,6	54,3	59,6	60,8	65,8	68,7	70,9
USA	12620,3	14332,5	14992,1	16754,2	17438,4	17961,0	18349,2
Tajikistan	18,3	29,0	39,7	53,1	61,8	66,4	71,4
Turkey	942,7	1197,0	1399,1	1968,9	2187,0	2251,7	2272,3
Turkmenistan	47,6	61,1	99,9	164,8	186,4	...	...
Hungary	170,0	210,7	209,5	232,2	247,4	260,7	272,8
Uzbekistan	196,9	256,1	415,2	595,3	659,8	695,7	734,4
Finland	161,2	183,4	192,1	192,8	204,6	207,3	209,9
France	1922,5	2090,0	2177,2	2291,4	2369,6	2412,1	2448,5
Croatia	62,7	78,3	80,5	79,7	85,3	87,7	90,2
Czechia	200,3	242,6	274,2	298,2	321,6	331,9	339,5
Montenegro	...	7,1	8,8	9,6	10,4	10,9	...
Switzerland	309,1	332,0	373,1	408,2	423,2	435,9	440,6
Sweden	303,2	345,1	377,0	419,8	439,5	448,1	457,0

¹ Here and elsewhere (Tables 27.9, 27.10) estimated data from Statistics Division of United Nations Economic Commission for Europe

INTERNATIONAL COMPARISONS

27.9. GDP annual growth rate (decrease)¹*(percent of the previous year; at the 2010 PPPs)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine²	5,9	3,1	0,3	−9,8	2,5	3,4	...
Austria	3,4	2,2	1,8	1,0	2,4	2,6	1,4
Azerbaijan	11,1	26,4	5,0	1,1	0,2	1,4	2,2
Albania	6,9	5,5	3,7	2,2	3,8	4,1	2,2
Belgium	3,7	2,3	2,9	2,0	1,6	1,8	1,8
Belarus	...	9,4	7,8	−3,8	2,5	3,2	1,4
Bulgaria	4,8	7,2	0,6	4,0	3,5	3,1	3,7
Bosnia and Herzegovina	5,4	3,9	0,9	3,1	3,2	3,7	2,8
United Kingdom of Great Britain and Northern Ireland	3,5	3,0	2,1	2,4	1,7	1,3	1,4
Armenia	5,9	13,9	2,2	3,2	7,5	5,2	7,6
Greece	3,9	0,6	−5,5	−0,4	1,3	1,6	1,9
Georgia	−3,2	9,6	6,2	3,0	4,8	4,8	5,0
Denmark	3,7	2,3	1,9	2,3	2,8	2,2	2,8
Estonia	10,1	9,5	2,7	1,8	5,5	4,4	5,0
Israel	8,9	4,0	5,6	2,2	3,6	3,5	3,4
Ireland	9,4	5,7	1,8	25,2	9,1	8,5	5,6
Iceland	5,0	6,1	−2,8	4,4	4,2	4,7	2,6
Spain	5,2	3,7	0,2	3,8	3,0	2,4	2,0
Italy	3,8	0,8	1,7	0,8	1,7	0,9	0,3
Kazakhstan	9,8	9,7	7,3	1,2	6,8	4,1	4,5
Canada	5,5	3,2	2,9	0,6	3,5	2,8	1,8
Kyrgyzstan	5,4	−0,2	−0,5	3,9	4,7	3,8	4,6
Cyprus	6,0	4,9	2,0	3,2	5,2	5,2	3,1
Latvia	5,7	10,7	−4,4	4,0	3,3	4,0	2,0
Lithuania	3,7	7,7	1,7	2,0	4,3	3,9	4,3
Luxemburg	8,2	3,2	4,9	4,3	1,8	3,1	2,3
Malta	...	3,4	5,5	9,6	8,1	5,2	5,5
Netherlands	4,2	2,1	1,3	2,0	2,9	2,4	1,7

INTERNATIONAL COMPARISONS

Table 27.9 continued

	2000	2005	2010	2015	2017	2018	2019
Germany	2,9	0,7	4,2	1,5	2,6	1,3	0,6
Norway	3,2	2,6	0,7	2,0	2,3	1,1	0,9
North Macedonia	...	4,7	3,4	3,9	1,1	2,9	3,2
Poland	4,6	3,5	3,7	4,2	4,8	5,4	4,7
Portugal	3,8	0,8	1,7	1,8	3,5	2,8	2,5
Moldova, Republic of	...	...	...	-0,3	4,7	4,3	3,5
Russian Federation	10,0	6,4	4,5	...	...	...	...
Romania	2,5	4,7	-3,9	3,0	7,3	4,5	4,1
Serbia	6,1	5,5	0,7	1,8	2,1	4,5	4,2
Slovakia	1,2	6,6	5,9	4,8	3,0	3,6	2,5
Slovenia	3,7	3,8	1,3	2,2	4,8	4,4	3,2
USA	4,1	3,5	2,6	3,1	2,3	3,0	2,2
Tajikistan	8,3	6,7	6,5	6,0	8,8	7,6	7,4
Turkey	6,9	9,0	8,4	6,1	7,5	3,0	0,9
Turkmenistan	5,5	13,0	9,2	6,5	6,5	...	...
Hungary	4,5	4,2	1,1	3,8	4,3	5,4	4,6
Uzbekistan	3,8	7,0	26,1	7,4	4,5	5,4	5,6
Finland	5,8	2,8	3,2	0,5	3,2	1,3	1,3
France	3,9	1,7	1,9	1,1	2,3	1,8	1,5
Croatia	2,9	4,3	-1,3	2,4	3,4	2,8	2,9
Czechia	4,0	6,6	2,4	5,4	5,2	3,2	2,3
Montenegro	...	...	2,7	3,4	4,7	5,1	...
Switzerland	4,0	2,9	3,3	1,7	1,6	3,0	1,1
Sweden	4,8	2,9	6,0	4,5	2,6	2,0	1,4

¹ See the footnote to Table 27.8² 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 2019, data are preliminary

INTERNATIONAL COMPARISONS

27.10. GDP per capita¹*(thsd. USD; at the 2010 PPPs)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	...	15,7	16,3	15,6	16,5	17,1	...
Austria	36,0	38,2	40,1	41,0	42,0	42,9	43,3
Azerbaijan	6,0	10,7	21,5	22,8	21,6	21,7	22,0
Albania	5,1	7,0	9,4	10,3	11,1	11,6	11,9
Belgium	33,5	36,1	37,4	38,5	39,3	39,8	40,3
Belarus	12,1	17,8	25,7	27,3	27,4	28,3	28,7
Bulgaria	9,9	13,7	16,6	19,0	20,7	21,5	22,4
Bosnia and Herzegovina	6,5	8,0	9,1	10,6	11,4	11,8	12,2
United Kingdom of Great Britain and Northern Ireland	32,9	36,6	36,2	38,5	39,3	39,6	39,9
Armenia	3,6	6,6	8,2	10,4	11,2	11,9	12,8
Greece	24,6	29,3	28,4	23,8	24,1	24,6	25,0
Georgia	5,1	7,5	10,0	13,0	14,0	14,7	...
Denmark	36,7	38,6	38,1	39,7	41,5	42,2	43,2
Estonia	15,0	22,1	22,2	26,5	28,8	30,0	31,3
Israel	27,2	27,3	30,6	33,1	34,2	34,8	35,3
Ireland	32,9	39,0	36,4	48,9	53,3	57,1	59,5
Iceland	48,3	56,1	55,2	60,6	64,7	65,9	66,1
Spain	27,9	30,4	29,9	30,0	31,7	32,4	32,8
Italy	32,1	32,9	31,5	30,0	31,0	31,3	31,5
Kazakhstan	18,3	29,1	37,2	43,6	45,9	47,2	48,9
Canada	37,5	40,4	40,4	42,8	43,6	44,2	44,4
Kyrgyzstan	3,6	4,2	4,9	5,8	6,2	6,3	6,5
Cyprus	27,9	31,9	32,4	29,1	32,1	33,4	33,9
Latvia	12,0	18,8	19,6	24,8	26,7	28,0	28,8
Lithuania	12,0	18,3	20,8	26,7	29,3	30,8	32,2
Luxemburg	74,5	80,8	83,7	85,9	87,2	88,2	88,4

INTERNATIONAL COMPARISONS

Table 27.10 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	24,0	25,3	28,7	34,8	37,2	37,8	38,3
Netherlands	39,1	40,8	42,9	43,7	45,4	46,2	46,7
Germany	33,1	34,1	36,6	39,1	40,5	40,9	41,1
Norway	54,8	59,4	58,9	60,4	61,5	61,7	61,8
North Macedonia	8,3	9,2	11,0	12,4	12,8	13,2	...
Poland	13,8	16,1	20,1	23,3	25,2	26,6	27,9
Portugal	24,4	25,0	25,6	25,0	26,6	27,4	28,1
Moldova, Republic of	...	...	9,1	11,0	12,0	12,6	...
Russian Federation	16,7	23,0	27,4	...	...	...	...
Romania	11,1	15,4	18,6	21,9	25,0	26,2	27,4
Serbia	10,1	14,0	16,5	17,7	18,9	19,8	20,8
Slovakia	13,8	17,6	22,2	25,3	26,5	27,4	28,1
Slovenia	22,9	27,2	29,1	29,5	31,9	33,2	33,9
USA	44,6	48,4	48,4	52,4	53,8	55,0	55,8
Tajikistan	3,0	4,3	5,2	6,2	6,9	7,3	7,7
Turkey	14,3	17,5	19,1	25,2	27,2	27,7	...
Turkmenistan	10,6	12,9	19,8	29,6	32,4	...	...
Hungary	16,7	20,9	21,0	23,6	25,3	26,7	27,9
Uzbekistan	8,0	9,9	15,0	19,2	20,7	21,5	22,4
Finland	31,2	35,0	35,8	35,2	37,1	37,6	38,0
France	31,6	33,1	33,5	34,4	35,3	35,9	36,3
Croatia	14,6	18,2	18,7	18,9	20,7	21,4	22,2
Czechia	19,5	23,7	26,1	28,3	30,4	31,2	31,8
Montenegro	...	11,5	14,1	15,3	16,5	17,3	...
Switzerland	42,6	44,3	47,6	49,3	50,1	51,2	51,4
Sweden	34,2	38,2	40,2	42,8	43,7	44,0	44,2

¹ See the footnote to Table 27.8

INTERNATIONAL COMPARISONS

27.11. Growth rate (decrease) of industrial production*(percentage of the previous year)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine¹	13,2	3,1	12,0	-12,3	1,1	3,0	-0,5
Austria	8,7	3,9	7,0	2,4	5,1	5,1	0,2
Azerbaijan	6,9	33,5	2,6	2,4	-3,4	1,1	1,2
Albania	12,0	-0,2	37,5	-9,2	8,6	11,8	-1,1
Belgium	...	3,3	9,4	-0,7	2,7	1,3	4,9
Belarus	7,5	10,0	11,7	-6,6	6,1	5,7	1,0
Bulgaria	...	6,9	2,0	2,9	3,4	0,3	0,6
Bosnia and Herzegovina	...	...	4,4	3,1	3,2	1,6	-5,3
United Kingdom of Great Britain and Northern Ireland	1,9	-0,6	3,6	0,3	1,8	0,9	-1,1
Armenia	6,4	7,5	9,7	5,2	12,6	4,3	9,0
Greece	...	-1,5	-6,1	1,0	4,1	1,8	-0,8
Georgia	10,8	30,6	14,6	7,7	3,3	6,0	...
Denmark	...	2,9	2,1	0,1	2,0	2,0	2,7
Estonia	14,6	10,9	23,4	0,3	4,1	4,7	-0,5
Israel	10,0	4,9	9,5	2,2	3,6	3,5	2,9
Ireland	14,6	4,0	8,2	35,9	-2,3	-4,9	2,8
Spain	4,0	0,2	0,8	3,3	2,9	1,0	0,4
Italy	3,2	-1,8	6,9	1,7	3,1	1,6	-1,0
Kazakhstan	15,5	5,0	10,0	-1,6	7,1	4,1	3,8
Canada	8,6	2,0	4,8	-0,6	...	...	...
Kyrgyzstan	6,0	-12,1	9,8	-0,2	13,2	2,5	6,9
Cyprus	...	0,5	-1,8	5,2	8,0	6,8	3,6
Latvia	...	7,2	14,9	3,6	8,4	1,5	1,0
Lithuania	-0,2	7,1	6,2	4,4	7,0	4,8	3,4
Luxemburg	...	2,2	9,0	1,4	3,3	-1,1	-2,9

INTERNATIONAL COMPARISONS

Table 27.11 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	...	-5,6	8,7	-0,4	8,6	1,9	1,4
Netherlands	...	0,4	7,7	-3,6	1,1	0,6	-0,8
Germany	5,1	3,0	11,2	1,4	2,8	1,0	-4,5
Norway	3,1	0,1	-5,6	1,4	-0,3	-1,8	-4,3
North Macedonia	...	7,0	-4,8	4,9	0,2	5,4	3,7
Poland	...	4,4	11,2	4,8	6,6	5,9	4,1
Portugal	...	5,1	1,5	2,4	3,4	0,4	-2,2
Moldova, Republic of	7,7	7,0	9,3	1,1	3,2	8,4	2,0
Russian Federation	8,8	5,1	7,3	...	...	...	...
Romania	...	-3,1	5,5	2,8	7,9	3,5	-2,3
Serbia	...	0,7	1,2	7,3	3,9	1,3	0,3
Slovakia	...	-0,9	12,3	6,7	3,2	4,4	0,4
Slovenia	6,2	3,4	7,2	5,6	7,7	5,1	3,2
USA	3,9	3,3	5,6	-0,7	...	...	...
Tajikistan	9,9	9,7	9,2	11,3	21,7	8,5	-1,4
Turkey	6,0	14,0	13,2	6,2	9,1	1,1	-0,6
Hungary	...	6,8	10,6	7,4	4,7	3,5	5,6
Uzbekistan	6,0	7,0	8,5	7,9	8,0	15,6	5,0
Finland	8,5	-0,9	5,6	-0,9	3,2	3,4	1,6
France	4,3	0,1	4,8	1,7	2,0	0,8	0,3
Croatia	1,4	4,5	-1,4	2,7	1,4	-1,0	0,6
Czechia	...	4,0	8,6	4,3	6,5	3,1	-0,3
Montenegro	...	...	...	...	...	...	...
Switzerland	8,4	3,3	4,2	-2,4	5,1	5,4	...
Sweden	...	2,5	9,3	3,2	4,3	2,4	2,2

¹ See methodology notes to Chapter 17

INTERNATIONAL COMPARISONS

27.12. Changes in consumer price*(percentage of the previous year)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	28,2	13,5	9,4	48,7	14,4	10,9	7,9
Austria	2,4	2,3	1,8	0,9	2,1	2,0	1,5
Azerbaijan	...	9,6	5,7	4,0	12,9	2,3	2,6
Albania	0,0	2,4	3,6	1,9	2,0	2,0	1,4
Belgium	2,5	2,8	2,2	0,6	2,1	2,1	1,4
Belarus	...	10,3	7,7	13,5	6,0	4,9	5,6
Bulgaria	10,3	5,0	2,4	-0,1	2,1	2,8	3,1
Bosnia and Herzegovina	1,7	3,8	2,0	-1,0	0,8	1,4	0,6
United Kingdom of Great Britain and Northern Ireland	0,8	2,0	3,3	0,1	2,7	2,5	1,8
Armenia	-0,8	0,6	8,2	3,7	1,0	2,5	1,4
Greece	3,2	3,5	4,7	-1,7	1,1	0,6	0,3
Georgia	4,1	8,3	7,1	4,0	6,0	2,6	4,9
Denmark	2,9	1,8	2,3	0,5	1,1	0,8	0,8
Estonia	4,0	4,1	3,0	-0,5	3,4	3,4	2,3
Israel	1,0	1,3	2,7	-0,6	0,2	0,8	0,8
Ireland	5,5	2,4	-0,9	-0,3	0,3	0,5	0,9
Iceland	5,1	4,0	5,4	1,6	1,8	2,7	3,0
Spain	3,4	3,4	1,8	-0,5	2,0	1,7	0,7
Italy	2,5	2,0	1,5	0,0	1,2	1,1	0,6
Kazakhstan	12,5	7,7	7,4	6,7	7,4	6,0	5,2
Canada	2,7	2,2	1,8	1,1	1,6	2,3	1,9
Kyrgyzstan	19,7	4,3	8,0	6,5	3,2	1,5	1,1
Cyprus	4,3	2,6	2,4	-2,1	0,5	1,4	0,2
Latvia	2,6	6,7	-1,1	0,2	2,9	2,5	2,8
Lithuania	1,0	2,7	1,3	-0,9	3,7	2,7	2,3
Luxemburg	3,2	2,5	2,3	0,5	1,7	1,5	1,7

INTERNATIONAL COMPARISONS

Table 27.12 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	2,4	3,0	1,5	1,1	1,4	1,2	1,6
Netherlands	2,4	1,7	1,3	0,6	1,4	1,7	2,6
Germany	1,5	1,5	1,1	0,5	1,5	1,7	1,4
Norway	3,1	1,5	2,4	2,2	1,9	2,8	2,2
North Macedonia	8,0	0,5	1,5	-0,3	1,4	1,5	0,8
Poland	10,5	2,2	2,6	-0,9	2,1	1,8	2,2
Portugal	2,9	2,3	1,4	0,5	1,4	1,0	0,3
Moldova, Republic of	30,3	12,0	7,5	9,7	6,6	3,0	4,8
Russian Federation	20,8	12,7	6,8	...	...	...	...
Romania	45,7	9,0	6,1	-0,6	1,3	4,6	3,8
Serbia	71,1	16,1	6,1	1,4	3,1	2,0	1,8
Slovakia	12,2	2,7	1,0	-0,3	1,3	2,5	2,7
Slovenia	9,0	2,5	1,8	-0,5	1,4	1,7	1,6
USA	3,4	3,4	1,6	0,1	2,1	2,4	1,8
Tajikistan	32,9	7,1	6,4	5,7	-17,0	-19,2	0,2
Turkey	65,5	8,2	8,6	7,7	11,1	16,3	15,2
Hungary	9,8	3,6	4,9	-0,1	2,3	2,8	3,3
Finland	3,6	0,6	1,2	-0,2	0,8	1,1	1,0
France	1,7	1,7	1,5	0,0	1,0	1,9	1,1
Croatia	4,6	3,3	1,0	-0,5	1,1	1,5	0,8
Czechia	3,9	1,9	1,5	0,3	2,4	2,1	2,8
Montenegro	...	2,6	0,7	1,5	2,4	2,6	0,4
Switzerland	1,6	1,2	0,7	-1,1	0,5	0,9	0,4
Sweden	1,0	0,5	1,2	0,0	1,8	2,0	1,8

INTERNATIONAL COMPARISONS

27.13. Changes in industrial producer price*(percentage of the previous year)*

	2000	2005	2010	2015	2017	2018	2019
Ukraine	20,8	16,7	20,9	36,0	26,4	17,4	4,1
Austria	...	3,4	4,0	-2,1	1,9	3,0	0,1
Azerbaijan	27,5	16,5	26,9	-30,7	37,0	...	...
Belgium	...	5,7	5,4	-4,2	8,9	7,1	1,3
Belarus	185,6	12,1	13,6	16,9	10,2	...	...
Bulgaria	...	7,3	7,2	-1,7	4,2	4,1	3,8
Bosnia and Herzegovina	0,9	-0,4	1,0	0,6	3,4	...	...
United Kingdom of Great Britain and Northern Ireland	2,4	10,6	5,4	-7,6	6,3	4,2	-2,4
Armenia	-22,2	7,6	22,6	-0,8	2,2	0,1	0,6
Greece	...	5,8	6,1	-5,8	4,2	3,3	0,6
Georgia	6,4	7,4	11,3	7,5	11,0	6,1	7,2
Denmark	...	9,1	6,4	-6,5	3,3	6,4	-0,6
Estonia	...	1,7	1,7	-2,8	3,3	7,1	1,5
Israel	3,6	6,2	4,0	-5,9	1,4	3,3	-1,1
Ireland	...	...	1,5	-4,3	1,3	7,7	-4,9
Spain	5,4	4,7	3,7	-2,0	4,4	3,0	-0,4
Italy	...	4,0	3,1	-3,4	2,6	3,9	0,0
Kazakhstan	36,2	23,7	25,2	-20,5	15,3	19,0	5,1
Canada	4,2	1,6	1,5	-0,8	3,1	3,8	-0,1
Kyrgyzstan	32,0	3,1	22,8	8,7	1,7	1,5	4,1
Cyprus	...	4,9	4,0	-5,7	3,7	3,0	2,9
Latvia	...	7,1	-0,2	-1,4	2,2	5,5	3,6
Lithuania	10,3	6,0	3,9	-9,1	4,0	4,2	0,7
Luxemburg	...	3,6	1,5	-0,5	-2,0	0,5	2,4

INTERNATIONAL COMPARISONS

Table 27.13 continued

	2000	2005	2010	2015	2017	2018	2019
Malta	...	5,0	11,5	-3,2	0,5	0,8	1,1
Netherlands	...	6,8	4,2	-4,4	4,4	3,0	1,7
Germany	2,9	4,4	1,3	-1,7	2,4	2,6	1,3
Norway	...	6,1	8,5	-4,6	2,9	8,7	3,1
North Macedonia	...	3,2	8,6	-3,9	0,8	-0,3	0,8
Poland	...	2,0	3,7	-2,3	4,8	2,8	1,6
Portugal	...	10,1	4,3	-6,4	3,6	2,4	-0,3
Moldova, Republic of	33,5	5,9	7,4	6,3	3,4	...	...
Russian Federation	46,5	20,7	12,6	...	...	...	...
Romania	...	18,4	4,0	-1,8	3,1	5,2	5,1
Serbia	...	14,2	12,1	0,4	3,3	2,4	0,7
Slovakia	...	3,7	-2,4	-4,2	2,0	5,0	2,6
Slovenia	...	2,8	2,0	-0,5	1,3	1,9	1,8
USA	8,2	7,3	4,5	-0,9	2,3	2,9	1,7
Tajikistan	39,0	10,4	34,6	4,8	15,8	...	...
Turkey	...	7,1	6,2	5,3	15,8	27,0	17,6
Hungary	...	6,0	7,3	-3,0	4,6	6,2	3,9
Finland	5,1	4,2	6,6	-2,2	2,7	3,9	0,9
France	4,7	2,8	2,6	-2,2	2,4	2,7	0,4
Croatia	...	2,7	4,3	-3,8	2,1	2,4	0,8
Czechia	4,8	3,0	1,2	-3,2	1,8	2,0	2,6
Montenegro	...	2,0	-0,5	0,3	1,8	0,3	2,4
Switzerland	...	1,6	0,6	-3,4	-0,1	1,3	0,6
Sweden	3,6	3,8	3,0	-1,0	4,0	5,5	2,7

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