



FEDERAL STATE STATISTICS SERVICE

# RUSSIA IN FIGURES

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STATISTICS SERVICE  
(Rosstat)**

# **RUSSIA IN FIGURES 2017**

**STATISTICAL HANDBOOK**

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The handbook contains information on the social and economic situation of Russia in 2016 as compared with the previous years.

It presents data characterizing the state structure of the Russian Federation, production and use of the Gross Domestic Product. Information is published on the population, its employment and money incomes. The handbook highlights problems of social field, results of R&D work and innovation activities, finances, investments, prices and tariffs. Some materials are dedicated to situation in organizations of different economic activities. Reflected are the external economic activities of the Russian Federation. Selected international comparisons are also given.

The handbook is intended for managerial personnel, managers and employees of enterprises and organizations, scientific, entrepreneurial and banking circles, professors and lecturers, under-graduate and post-graduate students of higher economic education institutions and other users.

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## PREFACE

The concise statistical handbook comprises main indicators characterizing socio-economic situation of Russia in 2016 as compared with a number of previous years.

The Handbook has been prepared by the Federal State Statistics Service on the basis of the data collected by the State statistical bodies from enterprises, organizations, population through statistical observations, censuses, sample surveys, data supplied by ministries and agencies of the Russian Federation. Information is also received from organizations and institutions carrying out surveys and enquiries for the collection of some specific data of economic and social character as well as from international organizations.

The Handbook starts with the main socio-economic characteristics of the Russian Federation. Information is presented containing the description of the geographic position of the Russian Federation, data on natural resources, national wealth and environment.

The data shown reflect demographic processes, problems of employment and unemployment, money incomes of population. Information is given on social sphere, science and innovations and information technologies, finances, investments, prices and tariffs as well as on the production of Gross Domestic Product and its use. One of the sections contains general characteristics of enterprises and organizations, information on small business and individual entrepreneurship.

The handbook highlights the situation of organizations of selected economic activities: industry, agriculture and forestry, fishery and fish farms, construction, transport, communication, organizations rendering services to population.

External economic activities are represented by data on foreign trade. Data are given on international comparisons of Russia with selected foreign countries.

Tabulated data including indicators by types of products, from 2010 is presented in accordance with Russia classification of products by economic activities OK 034-2007 (KPES 2002) (OKPD), adopted to statistical practice since January 1, 2010. Similar information for the pe-

riod up to 2009 (including) is developed according to prior Russia classification of products OK 005-93 (OKP), and was published in the concise statistical handbook «Russia in Figures, 2010», electronic version of which is available on the official Rosstat web-portal under "Publications" section.

For some indicators, data of 2015 are adjusted in comparison with the data published earlier, and some of them are preliminary for 2016. Other indicators are brought up for 2015 in comparison with the previous years, and for 2016 they will be represented in "Statistical Yearbook of Russia, 2017».

More detailed data on the socio-economic situation in Russia for a number of years will be published in "Statistical Yearbook of Russia" and other official statistical publications of the Federal State Statistics Service (Rosstat) and the list of these publications is presented in the Publishing schedule for 2017 on the official Rosstat web-portal.

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## UNITS OF MEASUREMENT

thou.	- thousand
mln.	- million
bln.	- billion
trln.	- trillion
mm	- millimeter
m	- meter
run. m	- running meter
sq. m	- square meter
cu. m	- cubic meter
km	- kilometer
sq. km	- square kilometer
cu. km	- cubic kilometer
g	- gram
kg	- kilogram
t	- ton
t-km	- ton-kilometer
l	- liter
dkl	- decaliter
ha	- hectare
kW	- kilowatt
kWh	- kilowatt-hour
kcal	- kilocalorie
Gcal	- gigacalorie
hp	- horse-power
USD	- US dollar
RUR	- Russian rouble
pc.	- piece

## ABBREVIATIONS

Bank of Russia	- Central Bank of the Russian Federation
GDP	- Gross Domestic Product
GKO	- State Short-Term Bond
EurAsEC	- Eurasian Economic Community
EU	- European Union
ZHSK	- Housing and Construction Cooperative
CEC	- Commission of European Communities
MIA of Russia	- Ministry of Internal Affairs of the Russian Federation
Minzdrav of Russia	- Ministry of Healthcare of the Russian Federation
Minkultury of Russia	- Ministry of Culture of the Russian Federation
Minkomsvyaz of Russia	- Ministry of Telecom and Mass Communications of the Russian Federation
Minoborony of Russia	- Ministry of Defence of the Russian Federation
Minobmauki of Russia	- Ministry of Education and Science of the Russian Federation

Mintrud of Russia	- Ministry of Labour and Social Protection of the Russian Federation
Minfin of Russia	- Ministry of Finance of the Russian Federation
Minekonomrazvitiya of Russia	- Ministry of Economic Development of the Russian Federation
Minjust of Russia	- Ministry of Justice of the Russian Federation
ILO	- International Labour Organization
Minprirody of Russia	- Ministry of Natural Resources and Environment of the Russian Federation
VAT	- Value Added Tax
UN	- The United Nations Organization
OFZ	- State Federal Loan Bonds
OECD	- Organization for Economic Cooperation and Development
Rosaviatsiya	- Federal Agency for Air Transport
Rosvodresursy	- Federal Agency for Water Resources
Rosgidromet	- Federal Service for Hydrometeorology and Environmental Monitoring
Rosimuschestvo	- Federal Agency for State Property Management
Rosleskhoz	- Federal Forestry Agency
Rosmorrechflot	- Federal Agency for Sea and Inland Water Transport
Rosnedra	- Federal Agency for Mineral Resources
Rosobrazovaniye	- Federal Agency for Education
Rospatent	- Federal Service for Intellectual Property
Rospotrebnadzor	- Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing
Rosreestr	- Federal Service for State Registration, Cadastre and Cartography
Rossvyaz	- Federal Communications Agency
Rostransnadzor	- Federal Service for Supervision in the Sphere of Transport
Rostrud	- Federal Service for Labour and Employment
Sberbank of Russia	- Savings Bank of the Russian Federation
CIS	- Commonwealth of Independent States
SNA	- System of National Accounts
FMS of Russia	- Federal Migration Service
FTS of Russia	- Federal Tax Service
FSB of Russia	- Federal Security Service of the Russian Federation
FCS of Russia	- Federal Customs Service
UNESCO	- United Nations Organization for Education, Science and Culture

The following designations are used in the book:

- not applicable;
- ... no data available;
- 0,0 the value is less than the unit of measurement.

In some cases insignificant discrepancies between total amount and the sum of items arise due to rounding of figures.

Values indicators since 1998 are given taking into account changes in nominal cost of Russian banknotes (reduction in 1000 times) and in the price scale, effective from January 1, 1998; for the other years - in nominal value of banknotes of corresponding years.



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# 1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS OF THE RUSSIAN FEDERATION

## Capital city – Moscow

Russia covers Eastern Europe and Northern Asia

## Area <sup>1)</sup> –

17.1 mln. sq. km  
(as of January 1, 2016 agricultural land occupied 13%, forest land – 51%, surface waters including swamps – 13%)

**Population** as of January 1, 2017 – 146804.4 thou. persons

**Population density** as of January 1, 2017 – 8.6 persons per sq. km

## Maximum stretch, thou. km:

longitudinal – 4

latitudinal – 9

Russia is bounded by:

Arctic Ocean **seas** (Barents, White, Kara, Laptev, East Siberian, Chukchi seas);

Pacific Ocean **seas** (Bering, sea of Okhotsk, sea of Japan);

Atlantic Ocean **seas** (Baltic, Black, sea of Azov)

## The largest islands, thou. sq. km:

Novaya Zemlya 82.6

Sakhalin 76.4

New Siberia 38

Severnaya Zemlya 37

## State borders:

in the North West - with Norway and Finland;

in the West - with Poland, Estonia, Latvia, Lithuania and Belarus;

in the South West - with Ukraine;

in the South - with Abkhazia,

Georgia, South Osetia,

Azerbaijan and Kazakhstan;

in the South East - with China,

Mongolia and the Democratic

People's Republic of Korea;

in the East (sea borders) - with USA

and Japan

## The longest rivers <sup>2)</sup>, thou. km:

Lena 4.4

Ob' 3.7

Volga 3.5

Yenisey 3.5

Amur 2.8

## The largest lakes <sup>2)</sup>, thou. sq. km:

Baikal 31.5

Ladoga 17.7

Onega 9.7

## The highest mountain, m:

Elbrus 5642

## Average temperatures:

**January** from 4°, 5°C (Black Sea coast) to -40°, -48°C (East of the Republic of Sakha (Yakutia), where absolute zero is taken as -66.8°C);

**July** from 0°, 1°C (Kara Sea Islands) to 24–26°C (Republic of Kalmykia, where absolute maximum reaches 45.4°C).

As for its territory, the Russian Federation ranks the first in the world, as for its population - the ninth, as for GDP PPP <sup>3)</sup> (estimated in US Dollars) - the sixth.

<sup>1)</sup> Data source: Rosreestr as of 01.01.2016 (including information on the City of Sevastopol); with due regard to data from the Ministry of Property and Land Relations of the Republic of Crimea on the area of the Republic of Crimea.

<sup>2)</sup> Data source: Rosgidromet.

<sup>3)</sup> According to results of 2011 International Comparison Program.





1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

**1.1. BASIC SOCIAL AND ECONOMIC INDICATORS<sup>1)</sup>**

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Population, (end of year), mln. persons	148.6	146.3	143.2	142.9	143.3	143.7	146.3	146.5	146.8
Natural increase, decrease (-) of population, thou. persons	-219.8	-958.5	-846.5	-239.6	-4.2	24.0	30.4	32.1	5.3
Migration increase of population, thou. persons	176.1	213.6	107.4	158.1	294.9	295.8	280.3	245.4	261.9
Average annual number of employed <sup>2)</sup> , thou. persons	71905	64517	66683	67493	67968	67901	67813 <sup>3)</sup>	68389	68430
Number of unemployed <sup>4)</sup> , thou. persons	3889	7700	5242	5544	4131	4137	3889 <sup>3)</sup>	4264	4243
Unemployed, officially registered by state employment service (end of year) <sup>5)</sup> , thou. persons	578	1037	1830	1589	1065	918	883 <sup>3)</sup>	1001	895
Number of pensioners <sup>6)</sup> , thou. persons	35273	38411	38313	39706	40573	41019	41456	42729	43177
Average per capita money income of population <sup>7)</sup> , roubles per month (1992 – thou. roubles)	4.0	2281	8088	18958	23221	25928	27767	30467	30738
Average per capita money expenditures of population <sup>7)</sup> , roubles per month (1992 – thou. roubles)	3.4	2218	7968	18529	23219	25735	27723	30588	30497
Accrued average monthly nominal wages of employees of organizations, roubles (1992 – thou. roubles)	6.0	2223	8555	20952	26629	29792	32495 <sup>3)</sup>	34030	36746



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Average pension (2000 – with compensations), roubles (1992 –thou. roubles )	1.6	694.3	2364	7476	9041	9918	10786	11986	12391
Gross Domestic Product <sup>8)</sup> :									
total, bln. roubles (1992 – trln. roubles)	19	7306	21610	46309	66927	71017	79200	83233	86044
per capita, roubles (before 1992 – thou. roubles)	128	49835	150571	324177	467361	494866	542127	5685056	586630
Final consumption expenditures, bln. roubles (1992 – trln. roubles)	9.2	4476.8	14438.2	32514.6	47084.4	52323.8	56510.7	58095.0	59822.7
Fixed assets in the economy, at book value <sup>9)</sup> , end of year, bln. roubles (1992 - trln. roubles)	43.2	17464	41494	93186	121269	133522	147430	160725	171764
Shipment of own production goods, works, performed and services rendered by economic activity <sup>10)</sup> , bln. roubles:									
mining and quarrying	...	...	3062	6218	8950	9214	9691	11171	11712
manufacturing	...	...	8872	18881	25111	26840	29661	33087	33898
electricity, gas and water supply	...	...	1691	3665	4160	4492	4712	4833	5164



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Agricultural output, bln. roubles (1992 – trln. roubles)	2.7	742.4	1380.9	2587.8	3339.2	3687.1	4319.1	5165.7	5626.0
Residential premises put in place, mln. sq. m	41.5	30.3	43.6	58.4	65.7	70.5	84.2	85.3	80.2
Freight turnover of transport, trln. ton-km	4.9	3.6	4.7	4.8	5.1	5.1	5.1	5.1	5.2
Passenger turnover of public transport, bln. passenger-km	681.2	496.2	473.3	484.0	532.6	547.2	556.2	530.0	519.8
Retail trade turnover, bln. roubles (1992 – trln. roubles)	5.1	2352	7041	16512	21394	23686	26356	27527	28317
Market services rendered to population, bln. roubles (1992 – trln. roubles)	0.5	603	2272	4943	6037	6927	7468	8051	8378 <sup>(1)</sup>
Revenues of consolidated budget <sup>(2)</sup> :									
bln. roubles (1992 - trln. roubles)	5.3	2097.7	8579.6	16031.9	23435.1	24442.7	26766.1	26922.0	28181.5
percent of GDP	28.0	28.7	39.7	34.6	35.0	34.4	33.8	32.3	32.8
Expenditures of consolidated budget <sup>(2)</sup> :									
bln. roubles (1992 - trln. roubles)	6.0	1960.1	6820.6	17616.7	23174.7	25290.9	27611.7	29741.5	31323.7
percent of GDP	31.4	26.8	31.6	38.0	34.6	35.6	34.9	35.7	36.4



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Surplus, deficit (-) of consolidated budget <sup>12)</sup> :									
bln. roubles (1992 - trln. roubles)	-0.7	137.6	1759.0	-1584.7	260.4	-848.2	-845.6	-2819.5	-3142.1
percent of GDP	3.4	1.9	8.1	-3.4	0.4	-1.2	-1.1	-3.4	-3.7
Balanced financial result (profit less loss) of the economy <sup>13)</sup> , mln. roubles (1992 - bln. roubles)	5623	1190597	3225916	6330589	7824538	6853753	4346793	7502736	11587706
Stabilization fund of the Russian Feder- ation (beginning of year), bln. roubles			522.3	-	-	-	-	-	-
Reserve Fund (be- ginning of year) <sup>14)</sup> , bln. roubles				1830.5	811.5	1885.7	2859.7	4945.5	3640.6
National Welfare Fund (beginning of year) <sup>14)</sup> , bln. roubles				2769.0	2794.4	2690.6	2900.6	4388.1	5227.2
Russian Federation international reserved assets, in- cluding monetary gold (end of year) <sup>15)</sup> , bln. US dollars	4.5	28.0	182.2	479.4	537.6	509.6	385.5	368.4	377.7



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Fixed capital investments, bln. roubles (1992 - trln. roubles)	2.7	1165	3611	9152	12586	13450	13903	13897	14640
Consumer prices index (December to December of previous year), percent (1992 - in times)	26.1	120.2	110.9	108.8	106.6	106.5	111.4 <sup>3)</sup>	112.9	105.4
Industrial producer price index (December to December of previous year), percent	...	131.9	113.4	116.7	105.1	103.7	105.9 <sup>3)</sup>	110.7	107.4
External trade turnover <sup>15)</sup> , bln. US dollars including:	...	141.4	363.9	638.4	863.2	863.1	804.7	534.4	473.2
exports	...	99.2	240.0	392.7	527.4	521.8	496.8	341.5	281.8
imports	...	42.1	123.8	245.7	335.8	341.3	307.9	193.0	191.4

<sup>1)</sup> Data in value terms is given at current prices, since 2000 - at prices effective since January 1, 1998.

<sup>2)</sup> On the basis of balance sheet of labour resources; for 2000, 2005 - excluding data for the Chechen Republic.

<sup>3)</sup> Without account to data on the Crimean Federal District.

<sup>4)</sup> Data source: sample labour force survey: for 1992 - as of end of October, for 2000 - 2015 - average per year. Up until 2006 - excluding data for the Chechen Republic.

<sup>5)</sup> Since 2005 - including data for the Chechen Republic.

<sup>6)</sup> For 1992-2000 - registered officially in the bodies of social protection, since 2005 - in the system of Pension Fund of the Russian Federation. Data is presented as of January 1 of year following the reference year.

<sup>7)</sup> Since 2010 - including data for the Chechen Republic.

<sup>8)</sup> See footnote, page 183.

<sup>9)</sup> With account to adjustments.

<sup>10)</sup> Data is adjusted in line with results of annual statistical reports, and with a view to changes made by economic agencies to previously presented data.

<sup>11)</sup> Data source: short-term reports.

<sup>12)</sup> Data source: Federal Treasury. Since 2005 data is given including budgets of state extra-budget funds.

<sup>13)</sup> 2000-2015 - according to book-keeping reports.

<sup>14)</sup> As of beginning of 2017 - the Reserve Fund amounted to 972.1 bln. roubles, the National Welfare Fund - 4359.2 bln. roubles.

<sup>15)</sup> Data source: Bank of Russia.



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

**1.2. CHANGES IN BASIC SOCIAL AND ECONOMIC  
INDICATORS**

(value indicators at constant prices;  
percent of previous year)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Population	100.03	99.6	99.6	100.02	100.2	100.2	100.2 <sup>1)</sup>	100.2	100.2
Average annual number of employed <sup>2)</sup>	...	100.6	100.5	100.1	100.5	99.9	99.9 <sup>1)</sup>	99.5 <sup>1)</sup>	100.1
Number of unemployed (average per year)	-	81.6	92.5	88.2	83.9	100.2	94.0 <sup>1)</sup>	107.4 <sup>1)</sup>	99.5
Unemployed, officially registered by state employment service (end of year)	-	82.1	95.3	74.0	82.8	86.2	96.2 <sup>1)</sup>	112.5 <sup>1)</sup>	89.4
Number of pensioners <sup>3)</sup>	103.6	100.1	100.3	101.6	101.0	101.1	101.1 <sup>1)</sup>	101.4 <sup>1)</sup>	101.0
Real disposal money income of population <sup>4)</sup>	52.5	112.0	112.4	105.9	104.6	104.0	99.3	96.8 <sup>1)</sup>	94.1
Accrued average monthly real wages of employees of organizations (consumer price index considered)	67.3	120.9	112.6	105.2	108.4	104.8	101.2 <sup>1)</sup>	91.0	100.7



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.2

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Real pension	51.9	128.0	109.6	134.8	104.9	102.8	100.9 <sup>1)</sup>	96.2 <sup>1)</sup>	96.6
Gross Domestic Product <sup>5);6)</sup>	85.5	110.0	106.4	104.5	103.5	101.3	100.7	97.2	99.8
Final consumption expenditures <sup>5);6)</sup>	94.8	105.6	109.1	103.5	106.1	103.6	100.9	92.0	96.5
Gross capital formation <sup>5);6)</sup>	63.1	175.2	109.5	128.5	103.9	92.7	95.6	86.6	101.5
Fixed assets in the economy (end of year)	102.0	100.5	101.9	103.0	104.3	104.1	103.7 <sup>1)</sup>	103.2	103.0
Industry <sup>7)</sup>	84.0	108.7	105.1	107.3	103.4	100.4	101.7	96.6	101.1
Agricultural production	90.6	106.2	101.6	88.7	95.2	105.8	103.5	102.6	104.8
Residential premises put in place, total floor space	84.0	94.6	106.1	97.6	105.6	107.2	118.2 <sup>1)</sup>	101.4	94.0
Freight turnover of transport	86.3	105.1	102.6	106.9	102.9	100.6	99.9 <sup>1)</sup>	100.3	101.8
Passenger turnover of public transport	87.0	106.4	93.0	104.3	105.9	102.7	100.9 <sup>1)</sup>	95.3	98.1
Retail trade turnover	100.3	109.0	112.8	106.5	106.3	103.9	102.7 <sup>1)</sup>	90.0	95.4
Market services rendered to population	81.6	104.7	106.3	101.5	103.5	102.0	101.0 <sup>1)</sup>	98.9	99.7 <sup>8)</sup>



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.2

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Balanced financial result (profit less loss) of the economy (by comparable range of organizations) <sup>9)</sup>	in 14.2 times	170.1	151.3	144.1	110.8	82.7	68.2	173.6	137.9
Investments in fixed capital	60.3	117.4	110.2	106.3	106.8	100.8	98.5 <sup>1)</sup>	89.9	99.1
External trade turnover <sup>10)</sup>	...	132.2	133.7	132.7	103.5	100.0	93.2	66.4	88.6

<sup>1)</sup> In order to achieve statistical comparability relative indicators is calculated without account to data on the Republic of Crimea and the city of Sevastopol.

<sup>2)</sup> Data for 1992 is not represented due to incomparability of data. Since 2010 – including the Chechen Republic.

<sup>3)</sup> For 1992-2000 – registered officially at bodies of social protection, since 2005 – at the system of Pension Fund of the Russian Federation. Data is represented as of January 1, the year following the reference year.

<sup>4)</sup> Since 2010 – including data for the Chechen Republic.

<sup>5)</sup> See footnote, page 183.

<sup>6)</sup> At constant prices.

<sup>7)</sup> Aggregate production index by economic activities "Mining and quarrying", "Manufacturing", "Electricity, gas and water supply".

<sup>8)</sup> Data source: short-term reports.

<sup>9)</sup> At actual prices. For 2000-2015 – according to book-keeping reports.

<sup>10)</sup> Data source: Bank of Russia; at current prices.





1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

**1.3. BASIC SOCIAL AND ECONOMIC INDICATORS BY CONSTITUENT**

	Area (as of January 1, 2016) <sup>2)</sup> , thou. sq. km	Popula- tion as of January 1, 2017, thou. persons	Average annual number of employ- ed <sup>3)</sup> , thou. persons	Average per capita money in- come (month- ly), roubles	Average per capita money ex- pendit- ures (month- ly), roubles	Accrued average monthly nominal wages of emp- loyees, roubles	Gross re- gional product (at current basic prices) <sup>3)</sup> , bln. roubles
<b>Russian Federation</b>	<b>17.1<sup>5)</sup></b>	<b>146804.4</b>	<b>68389.1</b>	<b>30738</b>	<b>30497</b>	<b>36746</b>	<b>64997.0</b>
<b>Central</b>							
<b>Federal District</b>	<b>650.2</b>	<b>39209.6</b>	<b>18962.6</b>	<b>39470</b>	<b>40465</b>	<b>46043</b>	<b>22713.9</b>
Belgorod Region	27.1	1552.9	698.1	30024	26998	26873	686.4
Bryansk Region	34.9	1220.5	522.2	25606	25030	22819	269.9
Vladimir Region	29.1	1389.6	693.2	22988	22740	25780	357.9
Voronezh Region	52.2	2335.4	1051.7	29806	28281	26758	823.1
Ivanovo Region	21.4	1023.2	481.5	23930	21152	22067	171.0
Kaluga Region	29.8	1014.6	487.5	28676	26740	31504	334.8
Kostroma Region	60.2	648.2	296.2	24134	22897	22996	157.7
Kursk Region	30.0	1122.9	565.0	26544	24594	25334	335.3
Lipetsk Region	24.0	1156.2	541.0	28547	25861	26075	457.6
Moscow Region	44.3	7423.5	3071.2	40625	35923	43467	3213.9
Orel Region	24.7	754.8	383.0	23334	21980	22890	205.8
Ryazan Region	39.6	1126.7	491.9	24331	22179	27495	316.1
Smolensk Region	49.8	953.2	482.2	24191	22573	25091	257.1
Tambov Region	34.5	1040.3	500.2	26357	23727	22762	344.9
Tver Region	84.2	1296.8	570.3	24453	23366	26087	341.2
Tula Region	25.7	1499.4	742.9	27726	25037	29080	476.6
Yaroslavl Region	36.2	1270.7	622.3	27586	23732	28515	432.0
Moscow city	2.6	12380.7	6762.2	59097	68157	71220	13532.6
<b>North West</b>							
<b>Federal District</b>	<b>1687.0</b>	<b>13899.3</b>	<b>6702.4</b>	<b>33476</b>	<b>33265</b>	<b>41007</b>	<b>6790.2</b>
Republic of Karelia	180.5	627.1	289.6	25900	24675	32591	211.1
Komi Republic	416.8	850.5	425.3	31527	29230	43427	523.2
Arkhangelsk Region	589.9	1165.7	589.1	32560	30946	41045	617.1
including:							
Nenets Autonomous Area	176.8	43.9	33.2	70203	37260	71908	217.6
Arkhangelsk Region less autonomous area	413.1	1121.8	555.9	31093	30700	38351	399.5
Vologda Region	144.5	1183.9	571.9	27379	22705	29324	468.8
Kaliningrad Region	15.1	986.3	473.9	25555	25603	29832	328.8
Leningrad Region	83.9	1791.9	743.2	28149	25155	35816	853.6



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

**ENTITIES OF THE RUSSIAN FEDERATION in 2016 <sup>1)</sup>**

Fixed assets in the economy (at book value; end of 2015) <sup>4)</sup> , bln. roubles	Volume of own production goods, works performed and services rendered, mln. roubles			Agricultural production, mln. roubles	Total construction volume of residential premises put in place, thou. sq. m	Retail trade turnover, bln. roubles	Balanced financial result (profit less loss) in the economy, mln. roubles	Consumer price index (December to December of previous year), percent	Fixed capital investments, bln. roubles
	mining and quarrying	manufacturing	electricity, gas and water supply						
<b>160725</b>	<b>11712488</b>	<b>33898089</b>	<b>5164009</b>	<b>5625996</b>	<b>80240.1</b>	<b>28317.3</b>	<b>11587706</b>	<b>105.4</b>	<b>14639.8<sup>6)</sup></b>
<b>50049</b>	<b>1380639</b>	<b>10841088</b>	<b>1583283</b>	<b>1417380</b>	<b>23982.2</b>	<b>9531.8</b>	<b>4851225</b>	<b>105.9</b>	<b>3796.0</b>
1290	88757	568628	27415	226544	1350.1	298.7	213778	104.4	143.8
627	280	171421	16471	78312	665.1	219.9	16516	106.1	68.3
705	3385	397815	35511	37280	655.7	200.1	37091	105.0	78.5
1402	5583	386141	59057	219918	1679.0	487.1	40234	105.5	271.0
537	659	111295	30049	18206	176.8	147.4	1299	106.0	22.6
835	2954	537625	20903	37525	737.3	177.4	31527	105.7	80.1
378	336	107516	35219	22577	309.2	93.6	13652	106.1	26.5
706	49294	162236	58939	146826	586.7	189.6	53621	105.8	89.7
1066	5081	575008	26620	117131	1077.9	226.0	91578	104.6	128.0
6635	9043	2071867	285254	96651	8913.7	1901.4	466374	106.2	634.7
428	55.1	103732	13151	73182	360.2	118.4	13967	106.3	47.9
808	1412	246843	39347	55816	708.0	170.4	33344	105.5	51.1
764	1029	174919	53707	24287	630.1	152.9	15299	104.7	59.9
739	353	136426	15032	116905	832.7	189.9	20187	105.2	106.8
1029	726	206900	86661	35713	495.6	214.2	10002	104.8	89.6
947	4814	534510	49990	65474	622.6	256.6	67307	105.6	112.6
1076	1016	312464	34757	36066	796.9	205.8	24043	105.7	81.9
30078	1205863	4035742	695200	8966	3384.6	4282.4	3701406	106.2	1703.1
<b>17400</b>	<b>701644</b>	<b>4932966</b>	<b>569115</b>	<b>242139</b>	<b>8862.0</b>	<b>2742.4</b>	<b>1584198</b>	<b>105.1</b>	<b>1660.8</b>
550	51826	77532	25665	5355	293.2	107.3	25542	104.3	35.3
2605	273448	163156	46645	11416	239.7	146.0	60598	104.8	200.4
1621	201832	162010	35651	13187	366.0	237.5	55163	104.7	175.9
552	176363	20253	3734	1214	23.5	9.0	18247	104.7	85.1
1069	25469	141757	31917	11973	342.6	228.5	36916	104.8	90.8
1404	488	512511	42387	30038	773.1	161.5	144242	105.0	120.6
613	14582	420101	25360	31073	1208.6	150.3	47524	104.7	78.2
2671	10568	854905	114183	89981	2171.7	342.6	186157	105.7	262.1



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

	Area (as of January 1, 2016) <sup>2</sup> , thou. sq. km	Population as of January 1, 2017, thou. persons	Average annual number of employ- ed <sup>3</sup> , thou. persons	Average per capita money in- come (month- ly), roubles	Average per capita money ex- pendit- ures (month- ly), roubles	Accrued average monthly nominal wages of employ- ees, roubles	Gross re- gional product (at current basic prices) <sup>3</sup> , bln. roubles
Murmansk Region	144.9	757.6	397.8	36149	34180	48715	390.4
Novgorod Region	54.5	612.5	303.4	25701	25904	27901	240.4
Pskov Region	55.4	642.2	318.3	22060	21127	22264	132.8
Sankt-Petersburg city	1.4	5281.6	2589.9	41492	44253	48684	3024.0
<b>South</b>							
<b>Federal District</b>	<b>447.9</b>	<b>16428.5</b>	<b>7075.9</b>	<b>26519</b>	<b>26883</b>	<b>26968</b>	<b>4590.6</b>
Republic of Adygeya	7.8	453.4	149.2	23627	20716	22982	82.6
Republic of Kalmykia	74.7	277.8	111.3	14758	12471	21133	47.3
Republic of Crimea	26.1	1912.2	767.3	19059	19034	25245	248.3
Krasnodar Territory	75.5	5570.9	2322.6	32672	33844	28586	1946.7
Astrakhan Region	49.0	1018.9	434.7	22676	22807	27423	320.7
Volgograd Region	112.9	2535.2	1221.2	21465	21013	25739	735.3
Rostov Region	101.0	4231.3	1901.8	27228	27662	26661	1171.8
Sevastopol city	0.9	428.8	167.9	22916	24471	26895	37.9
<b>North-Caucasian</b>							
<b>Federal District</b>	<b>170.4</b>	<b>9775.8</b>	<b>3466.9</b>	<b>23399</b>	<b>20704</b>	<b>22960</b>	<b>1704.3</b>
Republic of Dagestan	50.3	3041.9	999.6	28348	24690	19953	559.7
Republic of Ingushe- tia	3.6	480.5	79.0	15106	8479	21569	54.3
Kabardino-Balkarian Republic	12.5	864.4	304.5	20487	18330	21489	125.4
Karachayevo- Chircassian Republic	14.3	466.4	166.3	16937	12232	21465	67.4
Republic of North Ossetia - Alania	8.0	703.3	293.7	21964	19450	22063	127.5
Chechen Republic	15.6	1414.9	388.5	22451	14244	22520	160.5
Stavropol Territory	66.2	2804.4	1235.3	22270	24170	25387	609.5
<b>Privolzhsky (Volga)</b>							
<b>Federal District</b>	<b>1037.0</b>	<b>29636.5</b>	<b>13980.3</b>	<b>25729</b>	<b>24355</b>	<b>27257</b>	<b>9916.0</b>
Republic of Bashkortostan	142.9	4067.0	1759.9	28141	26757	27820	1317.4
Republic of Mari El	23.4	684.7	304.4	18243	16710	23232	165.5
Republic of Mordovia	26.1	808.5	362.9	17774	15995	23379	187.4
Republic of Tatarstan	67.8	3885.2	1806.6	32813	30738	30410	1833.2
Udmurtian Republic	42.1	1516.8	732.8	23895	21835	26544	497.7



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.3

Fixed assets in the economy (at book value; end of 2015) <sup>(6)</sup> , bln. roubles	Volume of own production goods, works performed and services rendered, mln. roubles			Agricultural production, mln. roubles	Total construction volume of residential premises put in place, thou. sq. m	Retail trade turnover, bln. roubles	Balanced financial result (profit less loss) in the economy, mln. roubles	Consumer price index (December to December of previous year), percent	Fixed capital investments, bln. roubles
	mining and quarrying	manufacturing	electricity, gas and water supply						
1815	124010	136176	62134	1726	59.2	154.8	107624	105.6	101.1
494	4033	184381	17543	30161	361.9	108.5	25264	105.2	77.7
338	1152	81741	9969	29202	272.3	99.5	6956	105.1	27.3
5289	19704	2340452	189578		3116.3	1234.3	925128	105.2	582.3
<b>12418</b>	<b>238853</b>	<b>2278182</b>	<b>387605</b>	<b>1027383</b>	<b>8962.0</b>	<b>2994.5</b>	<b>610499</b>	<b>105.7</b>	<b>1110.4</b>
169	2060	44830	2658	22059	235.2	80.1	2391	105.2	15.4
175	... <sup>(7)</sup>	811	3051	25158	70.8	18.8	900	105.4	13.5
2034	10416	60135	30240	67897	285.5	219.9	30123	107.2	53.0
4771	23336	800132	116793	420893	4502.0	1247.9	443400	106.0	429.0
1054	137637	57364	27166	39388	602.9	167.3	-851	104.7	118.6
1818	43972	611064	63533	144600	754.0	345.7	46565	105.1	181.5
2356	19134	694728	135982	305601	2293.1	853.3	84352	105.2	287.4
41	... <sup>(7)</sup>	9117	8183	1786	218.5	61.5	3619	106.5	12.1
<b>4032</b>	<b>22688</b>	<b>377614</b>	<b>132797</b>	<b>452326</b>	<b>5031.0</b>	<b>1538.0</b>	<b>40405</b>	<b>105.2</b>	<b>485.0</b>
1356	3515	31393	17527	112455	1862.0	659.3	-6402	104.4	209.8
88	1244	3445	2512	7859	271.6	21.9	-1586	102.6	20.0
240	257	31099	8271	43831	412.4	118.3	-925	106.1	35.1
189	2580	29181	5772	32316	165.1	35.7	3809	105.4	19.9
232	868	19019	6859	24782	177.5	105.3	-671	104.8	27.4
426	4898	7103	13439	20121	1041.5	152.4	-7465	105.3	62.0
1500	9326	256374	78417	210963	1101.0	445.0	53645	105.6	110.7
<b>23032</b>	<b>1674453</b>	<b>7138350</b>	<b>892682</b>	<b>1307397</b>	<b>16162.1</b>	<b>4990.4</b>	<b>1242357</b>	<b>104.6</b>	<b>2429.0</b>
2519	215770	933653	124139	165725	2698.2	803.2	164908	104.9	360.9
359	376	129785	11956	44445	466.1	78.5	7063	105.4	27.2
529	266	139117	12194	58679	328.5	82.1	5856	103.8	52.9
3922	442512	1394842	129131	238575	2406.5	801.6	333759	103.9	642.5
1041	160669	319812	35453	69740	650.1	211.1	55192	103.7	85.4



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

	Area (as of January 1, 2016) <sup>2</sup> , thou. sq. km	Popula- tion as of January 1, 2017, thou. persons	Average annual number of employ- ed <sup>3</sup> , thou. persons	Average per capita money in- come (month- ly), roubles	Average per ca- pita mo- ney ex- peditur- es (month- ly), roubles	Accrued average monthly nominal wages of employ- ees, roubles	Gross re- gional product (at current basic prices) <sup>3</sup> , bln. roubles
Chuvash Republic	18.3	1235.9	551.7	17747	17928	22736	250.4
Perm Territory	160.2	2632.1	1246.0	28726	27334	30713	1048.0
Kirov Region	120.4	1291.7	625.2	21202	20551	23625	276.5
Nizhny Novgorod Region	76.6	3247.7	1650.9	30406	27907	28172	1069.3
Orenburg Region	123.7	1989.6	1022.3	22238	21061	26109	774.9
Penza Region	43.4	1341.5	658.9	21679	21301	25334	336.5
Samara Region	53.6	3203.7	1503.7	26488	26115	28504	1240.3
Saratov Region	101.2	2479.2	1171.8	19434	18617	23492	617.5
Ulyanovsk Region	37.2	1252.9	583.3	21985	19616	24369	301.4
<b>Ural</b>							
<b>Federal District</b>	<b>1818.5</b>	<b>12345.8</b>	<b>6010.1</b>	<b>32200</b>	<b>31343</b>	<b>41754</b>	<b>8980.4</b>
Kurgan Region	71.5	854.1	368.3	20621	19409	23381	179.7
Sverdlovsk Region	194.3	4329.4	2021.1	35129	35394	32759	1779.4
Tyumen Region including: Khanty-Mansi Autonomous Area – Yugra	534.8	1646.1	914.6	43270	38868	63622	3136.8
Yamal-Nenets Autonomous Area	769.3	536.0	375.8	62822	44291	83832	1813.4
Tyumen Region less autonomous areas	160.1	1477.9	682.8	28116	35725	38370	900.8
Chelyabinsk Region	88.5	3502.3	1647.6	23272	21930	31005	1170.3
<b>Siberian</b>							
<b>Federal District</b>	<b>5145.0</b>	<b>19326.2</b>	<b>8940.0</b>	<b>23613</b>	<b>22789</b>	<b>31383</b>	<b>6752.0</b>
Republic of Altay	92.9	217.0	90.7	17230	14488	23976	41.8
Republic of Buryatia	351.3	984.1	412.1	25126	25483	30221	204.2
Republic of Tuva	168.6	318.6	101.5	14034	10793	29716	47.3
Republic of Khakassia	61.6	537.7	224.0	21392	22351	32310	171.7



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.3

Fixed assets in the economy (at book value; end of 2015)*, bln. roubles	Volume of own production goods, works performed and services rendered, mln. roubles			Agricultural production, mln. roubles	Total construction volume of residential premises put in place, thou. sq. m	Retail trade turnover, bln. roubles	Balanced financial result (profit less loss) in the economy, mln. roubles	Consumer price index (December to December of previous year), percent	Fixed capital investments, bln. roubles
	mining and quarrying	manufacturing	electricity, gas and water supply						
716	478	158476	21492	46657	629.8	137.2	-7967	104.1	49.6
2901	252152	862463	103429	45945	1060.0	482.9	205276	105.4	237.0
713	967	191325	39423	40953	662.1	177.2	13759	104.6	53.1
2580	1442	1108422	98929	74540	1273.6	652.8	145822	105.4	219.7
1821	327030	265165	53168	117336	966.0	274.9	94898	103.5	165.0
971	822	184982	22081	88252	885.9	201.1	14708	104.2	65.0
2736	237638	867946	119780	110662	1874.7	599.4	157852	105.2	256.8
1551	24877	333823	96265	163511	1293.6	319.4	36395	103.9	145.2
676	9453	248539	25241	42379	967.0	169.0	14836	105.5	68.9
<b>28902</b>	<b>4443571</b>	<b>4267415</b>	<b>636771</b>	<b>329921</b>	<b>6380.6</b>	<b>2475.4</b>	<b>1448995</b>	<b>105.7</b>	<b>2731.0</b>
651	3313	94125	17658	44085	295.9	104.3	5135	105.6	28.6
5157	53263	1580518	176617	76544	2106.6	1054.2	235390	105.8	345.8
20471	4327695	1403044	318808	80922	2662.2	823.2	1018854	106.9	2162.8
10276	2703305	413211	218366	8778	746.5	366.8	193170	108.5	804.1
8388	1450842	349928	50116	1698	228.2	122.6	540036	105.1	1097.1
1808	173548	639905	50326	70446	1687.5	333.8	285648	105.1	261.5
2623	59300	1189728	123688	128372	1315.8	493.7	189616	104.9	193.8
<b>14260</b>	<b>1698614</b>	<b>3502779</b>	<b>673324</b>	<b>672930</b>	<b>8648.1</b>	<b>2797.0</b>	<b>1163121</b>	<b>105.0</b>	<b>1405.3</b>
114	1015	4238	2824	11519	124.6	22.8	-371	103.8	12.3
566	19942	61580	26474	19096	335.8	167.9	15439	104.2	30.8
83	13219	477	4092	6424	107.8	21.5	5011	104.3	8.6
404	41220	80496	46354	15661	191.6	74.6	16986	104.4	26.8



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

	Area (as of January 1, 2016 ) <sup>2)</sup> , thou. sq. km	Popula- tion as of January 1, 2017, thou. persons	Average annual number of employ- ed <sup>3)</sup> , thou. persons	Average per capita money in- come (month- ly), roubles	Average per capita money ex- pendi- tures (month- ly), roubles	Accrued average monthly nominal wages of employ- ees, roubles	Gross re- gional product (at current basic prices) <sup>3)</sup> , bln. roubles
Altay Territory	168.0	2365.7	1066.6	21220	19335	21185	492.1
Trans-Baikal Territory	431.9	1079.0	477.0	23039	22296	32785	248.8
Krasnoyarsk Territory	2366.8	2875.3	1413.3	28010	26793	38361	1618.2
Irkutsk Region	774.8	2408.9	1146.9	22017	21374	34907	1013.5
Kemerovo Region	95.7	2708.8	1238.2	21208	19810	29828	842.6
Novosibirsk Region	177.8	2779.5	1344.7	25463	27275	29868	980.9
Omsk Region	141.1	1972.7	941.3	25206	23132	28465	617.2
Tomsk Region	314.4	1078.9	483.7	23517	21673	35459	473.7
<b>Far East</b>							
<b>Federal District</b>	<b>6169.3</b>	<b>6182.7</b>	<b>3250.8</b>	<b>36504</b>	<b>35310</b>	<b>46113</b>	<b>3549.6</b>
Republic of Sakha (Yakutia)	3083.5	962.8	482.1	39467	36950	58504	750.0
Kamchatka Territory	464.3	314.7	182.7	40199	38519	59923	171.9
Primorye Territory	164.7	1923.1	970.5	32506	32071	36106	716.6
Khabarovsk Territory	787.6	1333.3	716.5	37876	37370	41401	571.5
Amur Region	361.9	801.8	422.1	29606	29449	33131	276.9
Magadan Region	462.5	145.6	85.7	46135	43054	68584	124.6
Sakhalin Region	87.1	487.4	285.4	51124	49212	66239	829.3
Jewish Autonomous Region	36.3	164.2	75.1	23473	21594	31963	44.9
Chukotka Autonomous Area	721.5	49.8	30.7	56974	34800	85678	63.9

<sup>1)</sup> Data in value terms is given at current prices.

<sup>2)</sup> Data source: Rosreestr.

<sup>3)</sup> For 2015.

<sup>4)</sup> Including revaluation carried out by commercial organizations as of end of reference year.

<sup>5)</sup> Mln. sq. km.

<sup>6)</sup> Including revision of the investment volume at the federal level, not observed by direct statistical methods, without distribution by constituent entities of the Russian Federation.

<sup>7)</sup> Data is not published for the purpose of ensuring the confidentiality of the raw data received from organizations, in accordance with the Federal Law of 29.11.07 № 282-FZ "On Official Statistical Accounting and State statistics system in the Russian Federation" (Clause 5 of Article 4, Part 1 of Article 9).



1. BASIC SOCIAL AND ECONOMIC CHARACTERISTICS  
OF THE RUSSIAN FEDERATION

Continued table 1.3

Fixed assets in the economy (at book value; end of 2015) <sup>4)</sup> , bln. roubles	Volume of own production goods, works performed and services rendered, mln. roubles			Agricultural production, mln. roubles	Total construction volume of residential premises put in place, thou. sq. m	Retail trade turnover, bln. roubles	Balanced financial result (profit less loss) in the economy, mln. roubles	Consumer price index (December to December of previous year), percent	Fixed capital investments, bln. roubles
	mining and quarrying	manufacturing	electricity, gas and water supply						
931	4611	253648	47814	163438	754.4	326.9	24623	105.8	75.3
851	76155	24954	32094	21014	291.7	153.7	16296	105.0	84.0
2880	365273	909626	164936	102638	1373.8	502.1	629296	104.7	419.1
2206	376319	443439	100498	66586	912.6	305.1	184021	106.7	258.5
2250	625876	470678	94765	55778	1089.2	339.1	137715	104.5	156.8
1869	24335	386391	63744	85970	2216.2	450.0	39896	104.4	143.5
986	3450	711870	53804	94823	772.3	291.9	32492	104.5	88.1
1120	147198	155382	35924	29982	478.2	141.3	61717	105.3	101.6
<b>10631</b>	<b>1552026</b>	<b>559695</b>	<b>288433</b>	<b>177697</b>	<b>2192.0</b>	<b>1247.8</b>	<b>646906</b>	<b>105.4</b>	<b>985.2</b>
1759	635139	32155	73000	23342	620.4	203.6	248755	106.0	275.3
360	18855	67519	19037	9444	75.0	52.0	31367	105.7	33.3
2740	17066	171702	61816	47431	491.6	354.0	67163	104.9	123.5
1458	62298	196052	55109	21700	366.2	291.1	67449	106.1	115.1
864	55045	26677	31107	53259	221.2	153.9	19406	105.0	128.5
240	101973	3619	15450	2471	5.3	29.6	46409	103.7	38.9
2895	582872	56625	19942	12666	333.9	134.7	129833	104.8	248.0
199	1374	4668	4326	6074	75.9	22.2	-57	106.7	12.9
117	77404	677	8647	1309	2.5	6.7	36581	105.9	9.7





## 2. STATE STRUCTURE OF THE RUSSIAN FEDERATION

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The section gives a brief characteristic of the state structure of the Russian Federation, data on the municipal entities, number of employees of state power bodies and local self-government authorities, statistical information on the composition of the Federal Assembly of the Russian Federation.

Data on the number of municipal entities, municipal organizations, local budget, approved for current year, is obtained on the basis of federal state observation according to № 1-administration form «Information on municipal entities», reported by executive authorities of constituent entities of the Russian Federation.

### 2.1. STRUCTURE OF THE RUSSIAN FEDERATION

According to the Constitution, the Russian Federation – Russia is a democratic federative law-governed state with a republican form of government (Article 1).

State power in the Russian Federation shall be exercised by the President of the Russian Federation, the Federal Assembly (the Council of Federation and the State Duma), the Government of the Russian Federation, and the courts of the Russian Federation (Article 11).

The President of the Russian Federation shall be the Head of State and shall be elected for six years by citizens of the Russian Federation on the basis of universal, equal, direct suffrage by secret ballot (Articles 80, 81).

The Federal Assembly – parliament of the Russian Federation shall be the representative and legislative body of the Russian Federation and shall consist of two chambers – the Council of Federation and the State Duma (Articles 94, 95).



**2.2. MUNICIPAL ENTITIES**  
**as of January 1, 2017**

<b>All municipal entities</b>	<b>22327</b>
Municipal districts	1784
City okrugs	567
including with intra-city division	3
Intra-city districts	19
Intra-city territory (intra-city municipal entity) of cities of federal importance	267
Urban settlements	1589
Rural settlements	18101



## 2.3. CHARACTERISTICS OF MUNICIPAL ENTITIES IN

	Number of municipal entities (as of January 1, 2017)	Number of municipal establishments of (as of January 1, 2017)		
		education	culture	sport
<b>Russian Federation</b>	<b>22327</b>	<b>81305</b>	<b>25114</b>	<b>4129</b>
<b>Central Federal District</b>	<b>4707</b>	<b>16362</b>	<b>6520</b>	<b>1059</b>
Belgorod Region	312	1095	328	73
Bryansk Region	289	999	381	44
Vladimir Region	127	892	240	64
Voronezh Region	480	1331	481	92
Ivanovo Region	144	678	225	28
Kaluga Region	304	629	225	33
Kostroma Region	178	586	229	35
Kursk Region	355	893	878	35
Lipetsk Region	313	647	1045	46
Moscow Region	326	3585	992	391
Orel Region	267	645	290	7
Ryazan Region	307	668	204	36
Smolensk Region	328	689	157	43
Tambov Region	277	332	125	9
Tver Region	351	1019	308	31
Tula Region	103	775	172	39
Yaroslavl Region	100	887	207	21
Moscow city	146	12	33	32
<b>North West Federal District</b>	<b>1433</b>	<b>5108</b>	<b>1565</b>	<b>336</b>
Republic of Karelia	126	471	153	12
Komi Republic	185	772	132	45
Arkhangelsk Region	226	561	219	48
including:				
Nenets Autonomous Area	21	-	-	-
Arkhangelsk Region less autonomous area	205	561	219	48
Vologda Region	218	870	307	81
Kaliningrad Region	32	441	93	38
Leningrad Region	217	858	315	46
Murmansk Region	40	467	138	19
Novgorod Region	142	373	137	24
Pskov Region	136	295	68	17
Sankt-Petersburg city	111	-	3	6



## CONSTITUENT ENTITIES OF THE RUSSIAN FEDERATION in 2016

Local budgets for 2017, mln. roubles			Number of employees at local self-governing bodies <sup>1)</sup> (end of year), persons	Accrued average monthly wages of employees of local self-governing bodies <sup>1)</sup> , roubles
revenue	expenditures	deficit (-), surplus (+)		
			<b>477214</b>	<b>32766</b>
			<b>93560</b>	<b>33146</b>
46733	47917	-1184	7240	27118
19118	19396	-278	4233	22250
28422	29324	-901	3051	29163
44114	44499	-385	6201	31361
14923	15927	-1004	3497	26236
29522	30210	-688	4952	27861
15528	16406	-878	3130	23117
24320	25236	-917	4342	25125
23547	23602	-55	4689	26181
275297	287961	-12664	16802	56634
11592	12315	-723	3516	25018
20291	20460	-169	5452	24719
16491	17019	-528	5411	20191
17968	18209	-242	4478	21736
23676	24307	-631	5922	29594
40176	43389	-3214	4141	31164
39008	40964	-1955	4582	32062
12287	12522	-235	1921	81347
			<b>35123</b>	<b>38250</b>
14554	15037	-483	1629	37226
29678	30712	-1033	4447	37967
35383	38679	-3295	5331	40032
2192	2853	-662	392	93689
33192	35825	-2633	4939	35687
26503	27054	-550	4746	29016
27665	28099	-434	2840	40137
58178	59760	-1581	6044	43770
32881	34735	-1854	2109	61105
16150	16486	-337	2948	27382
11239 <sup>2)</sup>	11456 <sup>2)</sup>	-212 <sup>2)</sup>	2671	16309
11596	12124	-528	2358	55538



## 2. STATE STRUCTURE OF THE RUSSIAN FEDERATION

	Number of municipal entities (as of January 1, 2017)	Number of municipal establishments of (as of January 1, 2017)		
		education	culture	sport
<b>South</b>				
<b>Federal District</b>	<b>1994</b>	<b>9015</b>	<b>3131</b>	<b>307</b>
Republic of Adygeya	60	317	141	20
Republic of Kalmykia	127	303	60	5
Republic of Crimea	279	1062	226	31
Krasnodar Territory	426	2863	1067	134
Astrakhan Region	154	438	127	14
Volgograd Region	475	1451	572	67
Rostov Region	463	2581	938	36
Sevastopol city	10	-	-	-
<b>North-Caucasian</b>				
<b>Federal District</b>	<b>1701</b>	<b>5859</b>	<b>2054</b>	<b>216</b>
Republic of Daghestan	760	2361	717	38
Republic of Ingushetia	45	49	35	20
Kabardino-Balkarian Republic	132	302	357	32
Karachayevo-Chircassian Republic	100	377	28	17
Republic of North Ossetia - Alania	111	400	163	34
Chechen Republic	238	807	283	3
Stavropol Territory	315	1563	471	72



## 2. STATE STRUCTURE OF THE RUSSIAN FEDERATION

Continued table 2.3

Local budgets for 2017, mln. roubles			Number of employees at local self-governing bodies <sup>1)</sup> (end of year), persons	Accrued average monthly wages of employees of local self-governing bodies <sup>1)</sup> , roubles
revenue	expenditures	deficit (-), surplus (+)		
			<b>54056</b>	<b>28977</b>
7544	7848	-305	1771	25744
5704	6142	-438	1178	20313
43136	43679	-543	6124	30237
114056	117655	-3599	14345	36622
17430	18227	-797	3638	22989
38592	40772	-2181	9248	25947
109951	113641	-3690	17600	26034
135	135	-	152	37806
			<b>29456</b>	<b>22083</b>
37666	38342	-676	7240	20361
2266	2304	-39	790	19081
11465	11514	-49	2654	22460
9533	9489	+44	2194	18783
13490	22312	-8821	1803	21439
24211	24514	-303	3989	17376
55989	58302	-2314	10786	25697



## 2. STATE STRUCTURE OF THE RUSSIAN FEDERATION

	Number of municipal entities (as of January 1, 2017)	Number of municipal establishments of (as of January 1, 2017)		
		education	culture	sport
<b>Privolzhsky (Volga) Federal District</b>	<b>5798</b>	<b>19808</b>	<b>4123</b>	<b>896</b>
Republic of Bashkortostan	895	2748	346	108
Republic of Mari El	138	504	100	7
Republic of Mordovia	377	600	433	13
Republic of Tatarstan	956	3404	355	218
Udmurtian Republic	333	1301	210	33
Chuvash Republic	317	858	121	11
Perm Territory	337	1579	613	112
Kirov Region	364	1034	371	29
Nizhny Novgorod Region	389	2304	375	126
Orenburg Region	489	1702	254	69
Penza Region	325	628	210	32
Samara Region	342	537	283	60
Saratov Region	369	1809	316	48
Ulyanovsk Region	167	800	136	30
<b>Ural Federal District</b>	<b>1349</b>	<b>6796</b>	<b>1681</b>	<b>586</b>
Kurgan Region	458	713	286	21
Sverdlovsk Region	94	2327	433	183
Tyumen Region	478	1425	410	196
including:				
Khanty-Mansi Autonomous Area – Yugra	105	721	199	76
Yamal-Nenets Autonomous Area	55	361	105	45
Tyumen Region less autonomous areas	318	343	106	75
Chelyabinsk Region	319	2331	552	186



Continued table 2.3

Local budgets for 2017, mln. roubles			Number of employees at local self-governing bodies <sup>1)</sup> (end of year), persons	Accrued average monthly wages of employees of local self-governing bodies <sup>1)</sup> , roubles
revenue	expenditures	deficit (-), surplus (+)		
			<b>104505</b>	<b>26251</b>
76783	77418	-635	11681	29674
9174	9230	-55	2240	21726
15362	16713	-1351	3103	22346
78672	79172	-500	10900	28448
32822	33652	-830	6298	26016
22994	24160	-1166	3513	20578
66671	67651	-980	11146	28941
27532	28347	-815	8075	19681
81090	86773	-5683	14251	26141
38952	39515	-563	7791	25029
27618	28312	-694	5517	22747
53172	55959	-2787	9082	32017
37706	39380	-1674	7225	24378
17858	18323	-464	3683	24149
			<b>46331</b>	<b>50921</b>
18690	19149	-459	4649	18629
121760	125037	-3277	9031	36326
263653	271633	-7980	18552	85291
126594	132017	-5423	7650	91343
78323	80260	-1937	5898	112009
58736	59356	-619	5004	44391
96634	99948	-3315	14099	25511



## 2. STATE STRUCTURE OF THE RUSSIAN FEDERATION

	Number of municipal entities (as of January 1, 2017)	Number of municipal establishments of (as of January 1, 2017)		
		education	culture	sport
<b>Siberian Federal District</b>	<b>4065</b>	<b>13704</b>	<b>4234</b>	<b>569</b>
Republic of Altay	102	215	42	2
Republic of Buryatia	287	927	133	10
Republic of Tuva	143	433	358	13
Republic of Khakassia	100	378	196	26
Altay Territory	720	1817	363	65
Trans-Baikal Territory	410	1094	280	22
Krasnoyarsk Territory	575	2064	813	143
Irkutsk Region	466	2035	640	46
Kemerovo Region	210	1813	402	111
Novosibirsk Region	490	1095	610	71
Omsk Region	424	1263	269	34
Tomsk Region	138	570	128	26
<b>Far East Federal District</b>	<b>1280</b>	<b>4653</b>	<b>1806</b>	<b>160</b>
Republic of Sakha (Yakutia)	445	1340	836	19
Kamchatka Territory	66	275	118	8
Primorye Territory	158	1111	237	34
Khabarovsk Territory	232	818	220	25
Amur Region	286	447	165	17
Magadan Region	9	120	53	30
Sakhalin Region	21	345	113	20
Jewish Autonomous Region	33	130	46	3
Chukotka Autonomous Area	30	67	18	4

<sup>1)</sup> Including electoral commissions of municipal entities.

<sup>2)</sup> Data on incomes and budget deficit (surplus) is given in accordance with the approved budget decision, budget expenditures according to the updated quarterly budget breakdown.



## 2. STATE STRUCTURE OF THE RUSSIAN FEDERATION

Continued table 2.3

Local budgets for 2017, mln. roubles			Number of employees at local self-governing bodies <sup>1)</sup> (end of year), persons	Accrued average monthly wages of employees of local self-governing bodies <sup>1)</sup> , roubles
revenue	expenditures	deficit (-), surplus (+)		
			<b>86240</b>	<b>27570</b>
7648	7794	-146	2101	21568
21149	22243	-1094	3633	29307
11067	11539	-473	2120	23408
15227	15800	-574	3467	25229
37611	39315	-1703	9939	17585
26066	26723	-657	7408	21690
116908	119687	-2779	16160	31568
60822	64314	-3492	11510	37735
97815	101222	-3407	8970	21184
78968	81655	-2687	9632	26319
31625	32936	-1311	6691	29237
30354	31437	-1084	4609	36703
			<b>27944</b>	<b>53200</b>
81405	82446	-1041	5365	57162
29917	30166	-249	2329	67675
37965	39173	-1208	4885	44575
38973	40740	-1767	5615	48523
28861	29933	-1072	4377	33410
10932	11177	-245	1492	71435
66143	70754	-4611	2323	82186
4582	4869	-287	926	36913
8313	8086	+227	632	84332



**2.4. NUMBER OF EMPLOYEES AT PUBLIC AND LOCAL  
SELF-GOVERNING BODIES BY BRANCHES OF GOVERNMENT  
AND MANAGEMENT LEVELS <sup>1)</sup>**

(thou. persons)

	2000	2005	2010	2014	2015	2016
<b>At state bodies, local self-governing bodies of the Russian Federation and electoral commissions of municipal entities <sup>2)</sup> - total</b>	<b>1161.5</b>	<b>1462.0</b>	<b>1648.4</b>	<b>2211.9</b>	<b>2176.4</b>	<b>2146.3</b>
including at bodies of:						
legislative authorities	15.4	24.4	32.8	33.1	32.3	30.6
executive authorities	1027.3	1234.4	1385.3	1925.8	1888.6	1861.7
judicial authorities and public prosecution	113.7	192.8	214.6	230.1	233.0	230.6
other	3.1	8.3	13.5	20.6	20.1	20.9
<b>at regional level - total</b>	<b>1122.7</b>	<b>1420.9</b>	<b>1600.9</b>	<b>2162.3</b>	<b>2127.2</b>	<b>2097.2</b>
including at bodies of:						
legislative authorities	11.2	20.2	28.7	29.3	28.5	27.0
executive authorities	998.8	1204.2	1349.5	1887.9	1851.3	1824.3
judicial authorities and public prosecution	110.5	189.1	210.2	225.5	228.3	225.9
other	2.0	6.8	11.9	19.0	18.6	19.4
<b>At federal state bodies <sup>3)</sup> - total</b>	<b>521.0</b>	<b>766.8</b>	<b>868.8</b>	<b>1454.3</b>	<b>1434.1</b>	<b>1409.7</b>
including at bodies of:						
legislative authorities	4.4	4.7	5.3	5.0	5.0	4.6
executive authorities	402.6	590.4	671.1	1250.0	1226.2	1203.4
judicial authorities and public prosecution	110.7	168.0	188.6	195.4	199.0	197.9
other state bodies	1.2	1.5	1.6	1.5	1.5	1.5
<b>at federal level - total</b>	<b>38.8</b>	<b>41.1</b>	<b>47.5</b>	<b>49.6</b>	<b>49.1</b>	<b>49.0</b>
including at bodies of:						
legislative authorities	4.2	4.2	4.1	3.8	3.8	3.6
executive authorities	28.5	30.2	35.7	37.9	37.3	37.5
judicial authorities and public prosecution	3.2	3.7	4.4	4.7	4.8	4.8
other state bodies	1.2	1.5	1.6	1.5	1.5	1.5
<b>at regional level - total</b>	<b>482.1</b>	<b>725.6</b>	<b>821.4</b>	<b>1404.7</b>	<b>1384.9</b>	<b>1360.7</b>
including at bodies of:						
legislative authorities <sup>4)</sup>	0.2	0.5	1.2	1.2	1.2	1.0
executive authorities	374.1	560.2	635.4	1212.2	1188.9	1165.9
judicial authorities and public prosecution	107.5	164.3	184.1	190.8	194.2	193.2



Continued table 2.4

	2000	2005	2010	2014	2015	2016
<b>At state bodies of constituent entities of the Russian Federation - total</b>	<b>192.8</b>	<b>230.7</b>	<b>272.6</b>	<b>264.3</b>	<b>261.9</b>	<b>259.3</b>
including at bodies of:						
legislative authorities	8.1	10.0	12.5	12.6	12.6	12.2
executive authorities	179.7	189.2	225.1	205.9	204.1	203.0
judicial authorities <sup>5)</sup>	3.0	24.8	26.0	34.7	34.0	32.7
other state bodies	2.0	6.8	8.9	11.0	11.1	11.4
<b>At local self-governing bodies and electoral commissions of municipal entities <sup>6)</sup> - total</b>	<b>448.0</b>	<b>464.5</b>	<b>507.0</b>	<b>493.3</b>	<b>480.4</b>	<b>477.2</b>
including:						
at representative bodies of municipal entities	3.1	9.7	15.0	15.4	14.7	13.8
at local administrations (executive-administrative bodies of municipal entities)	444.9	454.8	489.0	469.8	458.3	455.4

For united grouping (by functions performed) of state and self-governing bodies the following terms are used:

representative bodies – grouping includes bodies of legislative authorities of the Russian Federation (federal and constituent entities of the Russian Federation) and representative bodies of municipal entities;

executive bodies – grouping includes bodies of executive authorities of the Russian Federation (federal and constituent entities of the Russian Federation) and local administration (executive-administrative bodies of municipal entities);

other – other state bodies of the Russian Federation and constituent entities of the Russian Federation (established in accordance with the Constitution of the Russian Federation and normative legal acts of constituent entities of the Russian Federation to resolve the state issues), regulatory and accounting authorities of municipal entities, other self-governing bodies and electoral commissions of municipal entities (established in accordance with legal acts of constituent entities of the Russian Federation and self-governing authorities to resolve local issues).

<sup>1)</sup> For 2014 without account to data on the Crimean Federal District.

<sup>2)</sup> Data is given except law enforcement (before 2014) and State security bodies – as of end of year.

<sup>3)</sup> Including at the federal level – Administration of the President of the Russian Federation, at regional level – offices of the President's plenipotentiaries in Federal districts.

<sup>4)</sup> Data on assistances of deputies of Federal Assembly of the Russian Federation are counted at the regional level.

<sup>5)</sup> Juridical Authorities Institute of constituent entities of the Russian Federation has been established since 1998.

<sup>6)</sup> Since 1996 local self-governing bodies has been started to be established on the basis of state power bodies of the constituent entities of the Russian Federation, from 2005 these bodies has been reformed in accordance with the Federal Law of October 6, 2003 № 131-FZ «On the general organizational principles of local self-governing in the Russian Federation».



**2.5. COMPOSITION OF THE FEDERAL ASSEMBLY <sup>1)</sup>**

(as of January 1, 2017; persons)

	Number, total	including						
		by sex		by age, years				
		males	females	under 30	30-39	40-49	50-59	60 and over
<b>The Council of the Federation</b>								
Representatives of government bodies of constituent entities of the Russian Federation	170	141	29	-	4	28	53	85
including:								
legislative government bodies	85	73	12	-	1	10	33	41
executive government bodies	85	68	17	-	3	18	20	44
<b>The State Duma 2016- 2021 convocation</b>								
Deputies of the State Duma - total	449	378	71	3	53	129	142	122
including by factions:								
Faction of the Party «UNITED RUSSIA»	343	280	63	-	37	98	117	91
Faction of the Party «Communist Party of the Russian Federa- tion»	42	39	3	1	3	9	8	21
Faction of the Liber- al - Democratic Par- ty of Russia (LDPR)	39	37	2	2	13	18	4	2
Faction of the Party A Just Russia	23	20	3	-	-	4	11	8
Outside the factions	2	2	-	-	-	-	2	-

<sup>1)</sup> Data source: the Secretariat of the State Duma and the Secretariat of the Council of the Federation of the Federal Assembly of the Russian Federation.



### 3. NATIONAL WEALTH

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This section contains data of balance sheet of the Russian Federation, information on the fixed assets by economic activities along with data on the land and water resources.

**National wealth** is an aggregate value of all economic assets (non-financial and financial) at market prices which are a property of country residents on a date, reduced by the value of their financial liabilities to residents and non-residents.

**A balance sheet** – is a table showing the current exchange value of economic assets and liabilities for the start of year, end of year (opening and closing balance sheets).

**An asset** is a store of value representing a benefit or series of benefits accruing to the economic owner by holding or using the entity over a period of time.

**Non-financial assets.** Two different categories of non-financial assets are distinguished from each other: produced assets and non-produced assets.

- produced assets are non-financial assets that have come into existence as outputs from production processes that fall within the production boundary of the SNA;

- non-produced assets are non-financial assets that have come into existence in ways other than through processes of production.

**Financial assets** consist of all financial claims, shares or other equity in corporations plus gold bullion held by monetary authorities as a reserve asset.

**A financial liability** is established when one unit (the debtor) is obliged, under specific circumstances, to provide a payment or series of payments to another unit (the creditor).

**Fixed capital (fixed assets)** are produced assets that are used repeatedly or continuously in production over several accounting periods, but no less than one year used to produce goods, provide market and non-market services for management needs or to pro-



vide to other organizations for a fee to take temporary possession and use or temporary use.

Fixed capital (fixed assets) include buildings, structures, machinery and equipment, vehicles, cultivated biological resources and other fixed assets. In Table 3.1. fixed assets are within the 2008 SNA.

**The current market value of assets** means the value at which assets are sold on the open market in a competitive environment when the counterparties act reasonably having all necessary information and transaction price is not affected by any force-major. Stocks of economic assets for the start of year («opening balance sheet») is recorded at prices as of beginning of year, and assets for the end of year («closing balance sheet») – at prices as of end of year.

Value of inventories, valuables relating to produced non-financial assets and non-produced non-financial assets (natural resources, contracts, leases and licences, and goodwill and marketing assets) is not recorded in the balance sheet due to absence of an estimate of the current market price value.

Data on natural resources is given in physical terms.

Tables 3.2 and 3.5 present data on fixed assets in total book value at mixed prices and wear and tear (the relationship between accumulated wear and tear and total book value, in percent) derived from business records. Tables 3.3 and 3.4 give volume indices and fixed assets renovation and disposal rates at comparative prices, estimated using index number method.

**Average perennial volume of river flow** is an arithmetic mean of the volume of water flow for a particular cross-section of a river over many years of observation.



## NATIONAL WEALTH

## 3.1. BALANCE SHEET

(end of year; at market value; bln. roubles)

	2011	2012	2013	2014
<b>Assets (sum of non-financial and financial assets)</b>	447255	518381	585883	692962
<b>Non-financial assets</b>	224091	256262	275962	302799
Fixed capital	224091	256262	275962	302799
dwellings	103364	118524	120155	131437
buildings other than dwellings structures	35228	39382	46090	47928
machinery and equipment	55472	62590	68124	73597
vehicles	19748	22874	25872	28961
other types of fixed capital	5887	7087	8426	11705
<b>Financial assets</b>	4392	5805	7294	9171
Monetary gold and Special Drawing Rights	223164	262119	309921	390163
Currency and deposits	1720	1816	1596	3057
Debt securities	48052	53897	61306	79098
Credits and loans	20921	22487	24008	32055
Shares or other equity	39122	50041	63061	84906
Insurance and pension reserves	67668	77048	88253	96693
Account receivable	1674	2043	2657	2952
<b>Financial liabilities</b>	44007	54787	69040	91402
Monetary gold and Special Drawing Rights	218353	257796	305610	372519
Currency and deposits	281	265	286	462
Debt securities	46694	53033	60056	75564
Credits and loans	8945	10810	12252	15545
Shares or other equity	41552	53001	67953	91284
Insurance and pension reserves	75770	84731	94705	97342
Account receivable	1640	2006	2602	2874
<b>National wealth (value of assets minus financial liabilities)</b>	43471	53950	67756	89448
	228902	260585	280273	320443





**3.2. FIXED ASSETS BY ECONOMIC ACTIVITY**

(end of year; total book value; bln. roubles)

	2005	2010	2012	2013	2014	2015	2016	
							Bln. roubles	Percent of total
<b>Fixed assets, total</b>	<b>41494</b>	<b>93185</b>	<b>121269</b>	<b>133522</b>	<b>147430</b>	<b>160725</b>	<b>171764</b>	<b>100</b>
of which by economic activity :								
agriculture, hunting and forestry	1440	2860	3335	3672	3909	4285	4770	2.8
fishing	55	113	143	151	148	160	172	0.1
mining and quarrying	3310	9085	12242	14107	15734	18518	20707	12.1
manufacturing	3639	7989	9862	11379	13550	15100	16648	9.7
electricity, gas and water supply	3408	6769	9761	10684	11842	12945	13824	8.0
construction	605	1500	1582	1677	1775	2049	2234	1.3
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	859	3110	3865	4099	4748	4891	5416	3.2
hotels and restaurants	278	535	626	685	740	912	982	0.6
transport and communications	13389	25950	34649	36179	40301	42494	44582	25.9
financial intermediation	494	2154	2521	2603	2734	3082	3340	1.9
real estate, renting and business activities	9369	21896	28560	33052	36017	38238	39241	22.8
public administration and defence; compulsory social security	1237	4252	5785	5940	6004	7100	8043	4.7
education	1279	2700	3267	3535	3807	4024	4326	2.5
health and social work	1023	2176	2651	3054	3273	3528	3722	2.2
other community, social and personal service activities	1107	2096	2420	2705	2847	3399	3757	2.2



**3.3. FIXED ASSETS PHYSICAL INDICES BY ECONOMIC ACTIVITY**  
 (at constant prices; percent of end of previous year)

	2005	2010	2012	2013	2014	2015	2016
<b>Fixed assets, total</b>	<b>101.9</b>	<b>103.0</b>	<b>104.3</b>	<b>104.1</b>	<b>103.7</b>	<b>103.2</b>	<b>103.0</b>
of which by economic activity :							
agriculture, hunting and forestry	97.9	101.2	101.6	102.2	101.9	101.8	102.1
fishing	99.0	101.6	100.7	101.6	100.1	102.1	102.1
mining and quarrying	104.6	103.6	105.7	106.1	105.2	105.9	106.3
manufacturing	103.8	105.5	105.8	106.2	106.7	105.7	104.7
electricity, gas and water supply	100.7	103.6	105.6	105.4	105.2	103.8	103.0
construction	100.2	101.8	103.5	102.9	102.7	102.5	102.3
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	104.6	106.8	106.3	106.2	107.0	105.3	105.3
hotels and restaurants	102.1	103.0	103.2	102.8	103.4	102.2	102.3
transport and communications	102.5	102.2	105.3	103.7	104.1	103.1	102.9
financial intermediation	104.5	105.8	110.4	108.7	105.8	105.8	105.9
real estate, renting and business activities	100.9	101.9	102.1	102.9	101.6	101.1	101.0
public administration and defence; compulsory social security	104.9	107.3	105.0	103.6	101.8	105.1	105.3
education	101.4	102.6	103.8	103.8	103.0	102.2	101.6
health and social work	102.9	103.6	105.4	104.8	103.0	101.9	101.5
other community, social and personal service activities	103.9	103.5	103.9	103.7	101.8	103.2	102.8

**3.4. FIXED ASSETS RENOVATION AND  
DISPOSAL RATES BY ECONOMIC ACTIVITY**  
(at comparative prices)

	2005	2010	2012	2013	2014	2015	2016
	<b>Fixed assets renovation rate</b> (commissioning of fixed assets, percent of total fixed assets value as of end of year)						
<b>Fixed assets, total</b>	<b>3.0</b>	<b>3.7</b>	<b>4.8</b>	<b>4.6</b>	<b>4.3</b>	<b>3.9</b>	<b>3.7</b>
of which by economic activity :							
agriculture, hunting and forestry	2.4	3.7	4.2	4.3	4.0	3.9	4.1
fishing	1.5	2.0	3.2	3.2	3.9	2.8	2.8
mining and quarrying	5.1	4.9	6.4	6.8	5.8	6.6	7.0
manufacturing	5.4	5.9	6.5	6.9	6.9	6.3	5.5
electricity, gas and water supply	2.1	4.1	5.9	5.7	5.1	4.0	3.2
construction	2.9	3.2	4.5	4.3	3.8	3.4	3.2
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	6.4	6.4	6.6	6.5	7.5	6.2	6.3
hotels and restaurants	2.9	3.7	3.4	3.3	3.5	2.8	2.9
transport and communications	2.6	3.0	5.1	4.2	4.0	3.2	3.0
financial intermediation	6.6	7.8	11.0	10.6	7.9	7.1	7.2
real estate, renting and business activities	1.6	2.3	2.4	2.6	2.6	2.5	2.3
public administration and defence; compul- sory social security	5.9	7.5	6.5	6.2	5.0	5.7	5.8
education	2.2	3.4	4.2	4.2	3.3	2.8	2.2
health and social work	3.7	4.6	6.1	5.8	3.8	2.9	2.5
other community, social and personal service ac- tivities	3.7	4.1	4.6	4.7	2.9	3.4	3.0



## 3. NATIONAL WEALTH

Continued table 3.4

	2005	2010	2012	2013	2014	2015	2016
	<b>Fixed assets disposal rate</b> (withdrawal of fixed assets, percent of total fixed assets value as of beginning of year)						
<b>Fixed assets, total</b>	<b>1.1</b>	<b>0.8</b>	<b>0.7</b>	<b>0.7</b>	<b>0.8</b>	<b>1.0</b>	<b>1.0</b>
of which by economic activity :							
agriculture, hunting and forestry	4.2	2.2	2.5	2.1	1.8	2.1	2.1
fishing	1.8	0.8	2.1	0.9	3.0	0.9	0.9
mining and quarrying	1.2	1.2	0.9	0.8	0.8	1.1	1.1
manufacturing	1.8	1.0	0.8	1.1	1.0	1.0	1.0
electricity, gas and water supply	0.7	0.3	0.5	0.4	0.5	0.3	0.3
construction	2.2	0.8	0.8	1.2	1.1	1.0	1.0
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	2.3	0.7	0.5	0.7	0.6	1.4	1.4
hotels and restaurants	1.1	0.6	0.3	0.6	0.5	0.7	0.7
transport and communications	0.4	0.4	0.4	0.3	0.4	0.4	0.4
financial intermediation	3.0	1.0	1.1	1.1	1.2	1.6	1.6
real estate, renting and business activities	0.6	0.9	0.5	0.5	1.1	1.4	1.4
public administration and defence; compulsory social security	1.2	1.2	0.8	0.8	1.0	1.0	1.0
education	0.9	0.8	0.8	0.7	0.6	0.8	0.8
health and social work	1.1	1.3	1.2	1.7	1.1	1.1	1.1
other community, social and personal service activities	0.5	0.3	0.6	0.7	0.4	0.6	0.6



**3.5. FIXED ASSETS DEPRECIATION RATE BY ECONOMIC ACTIVITY**  
 (end of year; percent)

	2005	2010	2012	2013	2014	2015	2016
<b>Fixed assets, total</b>	<b>43.5</b>	<b>47.1</b>	<b>47.7</b>	<b>48.2</b>	<b>49.4</b>	<b>47.7</b>	<b>48.7</b>
of which							
by economic activity :							
agriculture, hunting and forestry	46.3	42.1	42.5	42.7	43.5	41.6	42.0
fishing	57.4	64.7	65.1	64.4	58.9	52.4	51.9
mining and quarrying	54.8	51.1	51.2	53.2	55.8	55.4	56.1
manufacturing	47.8	46.1	46.8	46.8	46.9	47.7	49.5
electricity, gas and water supply	55.6	51.1	47.8	47.6	47.3	44.5	46.1
construction	42.3	48.3	49.0	50.0	51.2	50.4	51.8
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	40.9	33.6	39.8	39.9	43.3	39.6	40.7
hotels and restaurants	40.1	41.2	42.5	44.1	42.7	37.6	39.0
transport and communications	51.4	56.4	56.2	56.5	58.3	55.8	56.9
financial intermediation	37.8	38.6	42.1	43.6	43.3	40.5	43.1
real estate, renting and business activities	26.7	35.3	36.3	37.3	38.7	38.1	38.3
public administration and defence; compulsory social security	39.4	50.2	53.5	55.5	54.4	48.2	48.6
education	37.0	53.2	54.3	53.9	52.5	48.0	49.4
health and social work	45.2	53.3	52.7	54.9	55.2	53.9	56.9
other community, social and personal service activities	42.9	44.5	44.9	45.0	44.9	40.8	42.3



## NATURAL RESOURCES

3.6. LAND <sup>1)</sup>  
(beginning of year)

	2001	2006	2014	2015	2016
	<b>Mln. hectares</b>				
<b>Total land</b>	<b>1709.8</b>	<b>1709.8</b>	<b>1709.8</b>	<b>1712.5<sup>2)</sup></b>	<b>1712.5</b>
including <sup>3)</sup> :					
agricultural land used	221.1	220.7	220.2	220.2	222.1
forest land	871.5	870.6	871.8	871.8	870.7
surface water including					
bogs	219.0	225.1	225.0	225.0	226.8
other lands <sup>4)</sup>	398.2	393.4	392.8	392.9	392.9
	<b>Percent of total area</b>				
<b>Total land</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including <sup>3)</sup> :					
agricultural land used	12.9	12.9	12.9	12.9	13.0
forest land	51.0	50.9	51.0	51.0	50.8
surface water including					
bogs	12.8	13.2	13.2	13.2	13.2
other lands <sup>4)</sup>	23.3	23.0	22.9	22.9	23.0

<sup>1)</sup> Data source: Rosreestr.

<sup>2)</sup> Including information on the City of Sevastopol, with due regard to data from the Ministry of Property and Land Relations of the Republic of Crimea on the area of the Republic of Crimea.

<sup>3)</sup> Beginning of 2015 – without account to data the Republic of Crimea.

<sup>4)</sup> Lands under trees and bushes, constructions and roads, disturbed lands and others.

### 3.7. WATER RESOURCES <sup>1)</sup>

(cubic kilometers per annum)

	2015	Average perennial flow
<b>For all rivers of the Russian Federation</b>	<b>4647.9</b>	<b>4260.3</b>
Volga	198	238
Don	12.1	25.5
Amur	412	378
Lena	578	537
Yenisey	686	635
Ob'	539	405
Northern Dvina	86.1	101
Pechora	180	129

The main volume of river flow from the territory of Russia is formed within the state borders and only about 5% of the flow comes from the adjoining states.

<sup>1)</sup> Data source: Rosgidromet.

### 3.8. AVERAGE PERENNIAL WATER STORAGES IN MAJOR LAKES AND RESERVOIRS <sup>1)</sup>

	Cubic kilometers		Cubic kilometers
<b>Lakes</b>		<b>Water reservoirs</b>	
Ladoga	911	Rybinskoe	26.3
Onega	292	Kuibyshevskoe	58.0
Baikal	23000	Volgogradskoe	31.5
Khanka	18.3	Tsimlanskoe	23.7
		Sayany-Shushenskoe	31.3
		Krasnoyarskoe	73.3
		Bratskoe	170

There are 7 large lakes in the European part of Russia and surface area of each of them exceeds 1000 sq. km. In the Asian part of Russia the lake of Baikal, the largest in Asia, is located covering the surface area of about 32 thou. sq. km.

<sup>1)</sup> Data source: Rosgidromet.



## 4. ENVIRONMENT PROTECTION

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The section contains data on the impact of economic activities on the physical environment and natural resources. Information is given on protection of water resources, atmospheric air, and specially protected natural territories.

**Water withdrawal from natural water sources for use** is the volume of water removed from surface (including seas) sources and underground watershed for further use. The total volume of water withdrawal includes mining waters. This indicator does not include the volume of water flow through hydro-system units for generation of electricity, vessel lockage, fish passing, navigation water depth maintenance and others. The volume of water withdrawal for transit to large channels is not taken into account.

**Polluted waste waters** - industrial and consumer (communal) wastes, discharged to surface reservoirs without treatment (or after non-sufficient treatment) and containing polluting substances in quantities exceeding approved permits of maximum allowed discharge. The drainage waters removed from irrigated areas after watering are not included.

**Stationary source of emission of contaminants into atmospheric air** is a non-moving fixed-site process unit (plant, device, apparatus etc.) polluting the atmospheric air during its work. This category also includes other items (spoil tips, reservoirs, etc.).

**Waste of production and consumption** – substances or objects that are generated during production, execution of works, rendering services or during consumption, which are disposed, intended for disposal or are to be disposed of.

**Specially protected natural territories** – are areas of land, water





and aerial space over them containing the natural complexes and facilities of a special conservation, scientific, cultural, esthetic, recreational and health-improving significance, which by the decisions of the state government bodies are fully or partially withdrawn from economic use and have a special protection regime.

Specially protected natural territories may be of federal, regional or local importance, and be under the jurisdiction of executive authorities of constituent entities of the Russian Federation and local self-government authorities correspondingly; they may also be under the jurisdiction of state scientific organizations and educational organizations of higher education.

**State nature reserves and national parks** specially protected natural territories of federal significance.

**Environmental innovations** (eco-innovations) – are new or substantially improved products (goods), works, services, production processes, organizational or marketing methods contributing towards environmental safety, bettering, reducing and preventing negative impacts on the environment.

Data on innovation activities of organizations is presented by mining and quarrying, manufacturing, electricity, gas and water supply (excluding electricity trade, and gaseous fuels trade supplied through distribution networks); from 2015 - erection of prefabricated buildings or structures, erection of roof covering and frames other construction work; communications; activities related to the use of computers and information technology, research and development, rendering other types of services in line with the Russian Classification of Economic Activities (OKVED OK 029-2007 (NACE Rev. 1.1.)).



#### 4.1. IMPACT OF ECONOMIC ACTIVITIES ON ENVIRONMENT AND NATURAL RESOURCES

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Water withdrawal from water sources for use <sup>1)</sup> , bln. cu. m	99.6	75.9	69.3	69.7	64.0	61.0	63.2	60.8	...
Discharge of polluted waste waters <sup>1)</sup> , bln. cu. m	27.1	20.3	17.7	16.5	15.7	15.2	14.8	14.4	...
Air pollutant emissions into atmosphere, mln. ton									
from stationary sources <sup>2)</sup>	28.2	18.8	20.4	19.1	19.6	18.4	17.5	17.3	17.3
from mobile sources <sup>3)</sup>	22.0	13.5	15.4	13.2	12.8	13.6	13.8	14.0	14.3
Generation of waste of production and consumption <sup>4)</sup> , mln. ton	...	128	3036	3735	5008	5153	5168	5060	5441

<sup>1)</sup> Data source: Rosvodresursy.

<sup>2)</sup> From 2012 – including individual entrepreneurs.

<sup>3)</sup> From 2010 – data source: Rosprirodnadzor; emissions from automobile and railway transport. 1992, 2000, 2005 – the former Ministry of Natural Resources of the Russian Federation; emissions from automobile transport.

<sup>4)</sup> From 2010 – data source: Rosprirodnadzor; 2005 – data source: Rostekhnadzor. From 2005 – waste of production and consumption; 2000 – hazardous (toxic) waste.

#### 4.2. SPECIALLY PROTECTED NATURAL TERRITORIES

Years	Total		including					
			of federal importance		of regional importance		of local importance	
	number	area, mln. ha	number	area, mln. ha	number	area, mln. ha	number	area, mln. ha
2014	12942	202.3	280	59.4	11474	116.4	1188	26.5
2015	13072	208.6	277	60.1	11466	120.9	1329	27.6
2016	12014	213.7	272	62.3	10473	122.0	1269	29.5



### 4.3. STATE NATURE RESERVES AND NATIONAL PARKS

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Number of state nature reserves	79	100	100	101	102	102	103	103	103
Their area, mln. ha	20.4	33.3	33.7	33.8	33.8	33.8	33.8	33.9	33.8
Number of national parks	22	35	35	40	42	44	47	48	50
Their area, mln. ha	4.0	6.8	6.9	7.8	9.5	11.5	12.8	13.9	21.4

### 4.4. INVESTMENTS IN FIXED CAPITAL FOR ENVIRONMENT PROTECTION AND SOUND USE OF NATURAL RESOURCES <sup>1)</sup>

(at current prices; mln. roubles; 1992 - bln. roubles)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Total</b>	<b>53</b>	<b>22339</b>	<b>58738</b>	<b>89094</b>	<b>116543</b>	<b>123807</b>	<b>158636</b>	<b>151788</b>	<b>139677</b>
of which for protection of:									
water resources	33	8251	26143	46025	52420	59505	76315	78962	67469
atmospheric air	9.2	7946	19839	26127	34626	41196	55587	40120	40340
lands	7.1	3520	9206	9340	19888	13802	14540	15703	12228

<sup>1)</sup> From 2005 – excluding VAT.

### 4.5. CAPACITIES FOR WATER AND AIR POLLUTION PROTECTION PUT IN PLACE

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Waste water treatment facilities, thou. cu. m of water per 24 hours	751	231	1292	462	745	1950	2850	360	411
Recycled water systems, thou. cu. m of water per 24 hours	1388	135	1090	1050	1247	2899	460	1906	464
Installations for capturing and neutralization of hazardous gas products, thou. cu. m of gas per hour	5644	3070	4209	4563	2011	11119	5291	3318	1598



## 4.6. ENVIRONMENTAL INNOVATIONS

	2012	2013	2014	2015
Share of organizations, implementing environmental innovations, in the total number of organizations with completed innovations within the last three years, percent	22.4	12.9	13.6	14.0
mining and quarrying, manufacturing, electricity, gas and water supply	26.0	15.3	16.0	16.6
communication, activity involving use of computers and information technology, research and development, rendering other services	15.0	8.3	9.0	9.6
Special expenditures related to environmental innovations, bln. roubles	27.8	15.1	20.9	22.0
mining and quarrying, manufacturing, electricity, gas and water supply	27.3	14.6	20.4	21.5
communication, activity involving use of computers and information technology, research and development, rendering other services	0.4	0.5	0.5	0.5
Share of organizations using monitoring system of environmental pollution in total number of surveyed organizations, percent	12.1	10.8	11.1	10.6
mining and quarrying, manufacturing, electricity, gas and water supply	16.8	15.4	16.2	16.4
communication, activity involving use of computers and information technology, research and development, rendering other services	4.6	3.9	3.8	3.4

## 5. POPULATION

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This section presents data on population size, birth rate, death rate, as well as on migration processes.

Population censuses are primary sources of data related to population. The latest Russia Population Census was conducted in 2010 as of October 14.

Data on the **total population size**, are given for resident population covering permanent inhabitants of the given territory, including temporary absentees during the census period.

Population is comprised of urban and rural population according to their place of residence. Settlements are treated by the legislation as belonging to the urban category and are regarded as urban settlements. All other settlements are considered as rural.

The information on such events as **births, deaths, marriages and divorces** is received on the basis of annual processing of data contained in the records on birth, death, marriages and divorces respectively filled in by civil registrar offices. Only live births are recorded.

Since April, 2013 due to changes (Order of the Ministry of Healthcare and Social Development of the Russian Federation №7n from 16.01.2013) to the Order of the Ministry of Healthcare and Social Development of the Russian Federation № 1687n from 27.12.2011 "On medical criteria for a birth, the form and issuance procedures of a birth certificate") births and deaths of low birth weight infants (weighing less than 500 grams) are subject to registrar records, if they survived 168 hours (seven days) after birth.

The minimum age for marriages in the Russian Federation set by the law is 18 years both for males and for females. In some cases, according to the decision of local authorities, it may be reduced although not more than by 2 years.

The date of marriage is the date of its registration in the civil registrar offices. Marriage is considered dissolved from the moment of divorce registration.

The source of information on the **causes of death** is represented by inscriptions in the death certificates issued by physicians concerning diseases, accidents, homicides, suicide or other external causes (injuries caused by actions envisaged by law,



non-specified injuries – seldom or planned, injuries as a result of military actions) being the cause of death.

Before January 1, 1999 records of deaths by causes of death were compiled according to the Short Mortality List (1981) based on the International Statistical Classification of Diseases, Injuries and Causes of Death, WHO Rev. IX (1975). Since January 1, 1999 the records of deaths by causes of death have been compiled according to the Short Mortality List (1997) based on the International Statistical Classification of Diseases and Related Health Problems, WHO Rev. X (1989). From January 1, 2011 records of deaths were compiled according to the 2010 Short Mortality List, based on the International Statistical Classification of Diseases and Related Health Problems, Rev. X (1989).

**Crude birth and death rates** are calculated as a ratio, correspondingly, of the number of live births and deaths during a calendar year to the mid-year population. They are calculated in promilles (per 1000 of population).

**Natural increase rate** is the difference of crude birth and death rates. It is calculated in promille (per 1000 of population).

**Crude marriage and divorce rates** are calculated as a ratio of number of marriages and divorces registered within a calendar year to the mid-year population. Similar to crude birth and death rates, they are calculated in promille (per 1000 of population).

**Mid-year population** is calculated as an arithmetic mean of population at the beginning and the end of the corresponding year.

Total vital statistics rates are used, as a rule, for estimation of current population changes in general for estimating population size changes. Alongside with crude rates, a set of specific coefficients are used to get expanded (complete) characteristics of demographic situation.



Among them:

**life expectancy at birth**, is a mean number of years to be lived by a person from a hypothetical cohort, assuming the mortality level for every age remains the same as in the years for which the rate is calculated;

**death rate by causes** is a ratio of deaths by causes specified to mid-year population (by current estimates). They are calculated per 100 000 of population;

**infant mortality** rate is calculated as a sum of two components, the first of which shows the ratio of the number of deaths under one year from the generation born in the year for which the rate is calculated, to the total number of births of the same year, and the second component shows the ratio of deaths under one year from the generation born in the preceding year, to the total number of births of the preceding year. This rate is calculated in promille (per 1000 of live births).

Data on **international migration** is obtained from documents supplied by territorial bodies of the Ministry of Internal Affairs of the Russian Federation which are filled in while registration or deregistration of population at the place of residence.

Since 2011 individuals registered at the place of stay for the period 9 months and more and individuals deregistered due to the end of their period of stay have been included to the statistical registration of a long-term migration.

Terms «arrivals» and «departures» characterize migration to a certain extent conditionally as the same person may change place of permanent residence more than once within one year.

Information on **forced migrants** is published using data of the MIA of Russia on the number of citizens of the Russian Federation and foreign citizens who were granted temporary asylum, refugee or forced migrant status, and are registered at territorial divisions of the FMS of Russia as of January 1.



## 5. POPULATION

**5.1. POPULATION**  
 (as of January 1 of corresponding year)

Years	Total population, mln. persons	of which		Percent of total population	
		urban	rural	urban	rural
1993	148.6	108.7	39.9	73	27
1996	148.3	108.3	40.0	73	27
2001	146.3	107.1	39.2	73	27
2002					
as of January 1	145.6	106.7	38.9	73	27
as of October 9 <sup>1)</sup>	145.2	106.4	38.8	73	27
2005	143.8	105.2	38.6	73	27
2010					
as of January 1	142.8	105.0	37.8	74	26
as of October 14 <sup>1)</sup>	142.9	105.3	37.6	74	26
2012	143.0	105.7	37.3	74	26
2013	143.3	106.1	37.2	74	26
2014	143.7	106.6	37.1	74	26
2015	146.3	108.3	38.0	74	26
2016	146.5	108.6	37.9	74	26
2017	146.8	109.0	37.8	74	26

<sup>1)</sup>Data source: Russia population censuses.





## 5. POPULATION

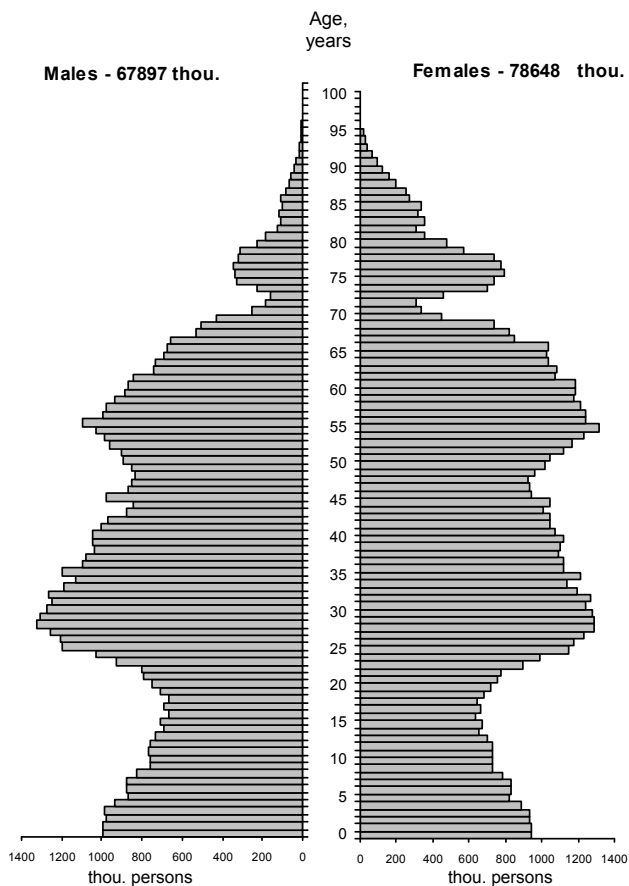
5.2. POPULATION BY AGE GROUPS <sup>1)</sup>

	Thou. persons			Percent of total			Females per 1000 males of corresponding age		
	2002	2015	2016	2002	2015	2016	2002	2015	2016
<b>Total population</b>	<b>145167</b>	<b>146267</b>	<b>146545</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>1147</b>	<b>1158</b>	<b>1158</b>
of which by age of, years:									
0-4	6399	9262	9512	4.4	6.3	6.5	953	947	946
5-9	6941	8004	8218	4.8	5.5	5.6	956	953	951
10-14	10407	7126	7254	7.2	4.9	4.9	959	952	954
15-19	12800	6829	6731	8.8	4.7	4.6	968	953	955
20-24	11466	9293	8445	7.9	6.4	5.8	983	959	960
25-29	10613	12620	12412	7.3	8.6	8.4	997	978	974
30-34	9835	12092	12219	6.8	8.3	8.3	1001	1001	1002
35-39	10217	10884	11098	7.0	7.4	7.6	1033	1043	1038
40-44	12547	10122	10220	8.6	6.9	7.0	1062	1062	1070
45-49	11606	9140	9193	8.0	6.3	6.3	1113	1100	1095
50-54	10072	10957	10356	6.9	7.5	7.1	1170	1167	1166
55-59	5347	10873	11093	3.7	7.4	7.6	1260	1278	1264
60-64	7983	9260	9445	5.5	6.3	6.4	1456	1428	1430
65-69	6345	6428	7263	4.4	4.4	5.0	1596	1593	1594
70 and over	12469	13377	13086	8.6	9.1	8.9	2477	2439	2441
age not specified	120	-	-	0.1	-	-	986	-	-
Out of total population:									
under working age	26327	25689	26360	18.1	17.6	18.0	957	950	950
working age <sup>2)</sup>	88942	85415	84199	61.3	58.4	57.4	985	923	918
over working age	29778	35163	35986	20.5	24.0	24.6	2209	2453	2431

<sup>1)</sup> Data is given: for 2002 – according to the population census as of October 9; for 2015, 2016 – as of January 1.

<sup>2)</sup> Males - 16-59 years, females - 16-54 years.



**5.3. AGE AND SEX STRUCTURE OF POPULATION  
as of January 1, 2016**

### 5.4. VITAL STATISTICS (persons)

Years	Births	Deaths	Natural increase, decrease (-)	Infant deaths under 1 year old
1992	1587644	1807441	-219797	29208
2000	1266800	2225332	-958532	19286
2005	1457376	2303935	-846559	16073
2010	1788948	2028516	-239568	13405
2012	1902084	1906335	-4251	16306
2013	1895822	1871809	24013	15477
2014	1942683	1912347	30336	14322
2015	1940579	1908541	32038	12664
2016	1888729	1891015	-2286	11428

### 5.5. CRUDE VITAL RATES

Years	Per 1000 of population			Infant deaths under 1 year old per 1000 live births
	births	deaths	natural increase, decrease (-)	
1992	10.7	12.2	-1.5	18.0
2000	8.7	15.3	-6.6	15.3
2005	10.2	16.1	-5.9	11.0
2010	12.5	14.2	-1.7	7.5
2012	13.3	13.3	-0.0	8.6
2013	13.2	13.0	0.2	8.2
2014	13.3	13.1	0.2	7.4
2015	13.3	13.0	0.3	6.5
2016	12.9	12.9	-0.01	6.0



## 5. POPULATION

### 5.6. MARRIAGES AND DIVORCES

Years	Number of marriages	Number of divorces	Per 1000 of population	
			marriages	divorces
1992	1053717	639248	7.1	4.3
2000	897327	627703	6.2	4.3
2005	1066366	604942	7.4	4.2
2010	1215066	639321	8.5	4.5
2012	1213598	644101	8.5	4.5
2013	1225501	667971	8.5	4.7
2014	1225985	693730	8.4	4.7
2015	1161068	611646	7.9	4.2
2016	985836	607591	6.7	4.1

### 5.7. DEATH RATES BY MAIN CHAPTERS OF CAUSES

(number of deaths per 100 000 of population)

	1992	2000	2005	2010	2012	2013	2014 <sup>1)</sup>	2015	2016
<b>Deaths by all causes</b>	<b>1217</b>	<b>1529</b>	<b>1605</b>	<b>1420</b>	<b>1331</b>	<b>1304</b>	<b>1306</b>	<b>1304</b>	<b>1289</b>
including:									
diseases of circulatory system	647	846	905	806	737	698	654	635	616
neoplasm	202	205	201	205	203	203	202	205	204
external causes of mortality	173	219	220	152	135	129	130	121	114
of which:									
transport injuries (all types)	30	27	28	20	21	20	20	17	15
accidental poisoning by alcohol	18	26	28	13	11	10	11	10	10
accidental drowning	9	11	10	8	6	5	5	4	4
suicides	31	39	32	23	21	20	18	17	16
homicides	23	28	25	13	11	10	9	8	7
diseases of respiratory system	58	70	66	52	49	52	54	52	48
diseases of digestive system	33	44	65	64	62	62	67	70	67
certain infectious and parasitic diseases	13	25	27	24	22	22	22	23	24

<sup>1)</sup> Without account to data on the Crimean federal district.



**5.8. LIFE EXPECTANCY AT BIRTH**  
 (number of years)

Years	Total	Males	Females
1992	67.8	61.9	73.7
2000	65.3	59.0	72.3
2005	65.4	58.9	72.5
2010	68.9	63.1	74.9
2012	70.2	64.6	75.9
2013	70.8	65.1	76.3
2014	70.9	65.3	76.5
2015	71.4	65.9	76.7
2016	71.9	66.5	77.1

**5.9. INTERNATIONAL MIGRATION**  
 (persons)

	1997	2000	2005	2010	2013	2014	2015	2016
<b>Immigrated to the Russian Federation - total</b>	<b>597651</b>	<b>359330</b>	<b>177230</b>	<b>191656</b>	<b>482241</b>	<b>590824</b>	<b>598617</b>	<b>575158</b>
of which from:								
CIS countries	547386	326561	163101	171940	422738	529448	536157	511773
Azerbaijan	29878	14906	4600	14500	23453	26367	24326	24109
Armenia	19123	15951	7581	19890	42361	46568	45670	43929
Belarus	17575	10274	6797	4894	15748	17931	17741	14590
Kazakhstan	235903	124903	51945	27862	51958	59142	65750	69356
Kyrgyzstan	13752	15536	15592	20901	30388	28543	26045	28202
Republic of Moldova	13750	11652	6569	11814	28666	32107	34026	32418
Tajikistan	23053	11043	4717	18188	51011	54658	47638	52676
Turkmenistan	16501	6738	4104	2283	5986	6038	6539	7242
Uzbekistan	39620	40810	30436	24100	118130	131275	74242	60977
Ukraine	138231	74748	30760	27508	55037	126819	194180	178274



## 5. POPULATION

Continued table 5.9

	1997	2000	2005	2010	2013	2014	2015	2016
European Union including, by country:	15578	6259	5386	6394	12423	11264	11496	10809
Bulgaria	750	245	118	216	419	346	392	293
Germany	2379	1753	3025	2621	4166	3743	3976	4153
Greece	183	182	200	298	995	694	557	450
Spain	43	10	49	140	364	303	279	218
Italy	46	47	46	163	426	494	425	376
Latvia	5658	1785	726	811	1484	1520	1533	1428
Lithuania	1785	945	360	433	892	764	790	802
Finland	140	83	129	178	429	468	401	393
Sweden	32	14	23	44	88	77	116	64
Estonia	3483	786	432	637	1475	1323	1283	1163
other countries	34687	26510	8743	13322	47080	50112	50964	50168
Australia	57	27	30	49	113	71	89	82
Afghanistan	208	288	60	236	799	776	831	846
Vietnam	261	182	114	921	3852	3854	4012	3735
Georgia	24517	20213	5497	5245	7665	7756	7038	6511
Israel	1626	1508	1004	814	1132	1139	1077	900
Canada	73	50	99	110	226	171	189	193
China	2861	1121	432	1380	8149	10563	9043	8027
USA	668	439	396	653	954	1000	1084	1137
Turkey	176	164	86	562	2755	2631	2091	1626



## 5. POPULATION

Continued table 5.9

	1997	2000	2005	2010	2013	2014	2015	2016
<b>Emigrated from the Russian Federation – total</b>	<b>232987</b>	<b>145720</b>	<b>69798</b>	<b>33578</b>	<b>186382</b>	<b>310496</b>	<b>353233</b>	<b>313210</b>
of which from:								
CIS countries	143675	80510	35418	21206	147853	259213	298828	256480
Azerbaijan	4302	3187	1274	1111	6207	13973	13666	13670
Armenia	2578	1519	620	698	10182	22562	25137	31936
Belarus	18928	13276	6034	2899	12031	11174	12832	12463
Kazakhstan	25364	17913	12437	7329	11802	18328	30983	32226
Kyrgyzstan	6296	1857	473	641	10576	13284	16110	17159
Republic of Moldova	5715	2237	786	617	8038	14533	16646	18054
Tajikistan	2474	1158	434	694	17362	35296	36276	25388
Turkmenistan	1532	676	125	105	2165	3435	4219	4824
Uzbekistan	7370	3086	595	834	50864	94179	94910	41305
Ukraine	69116	35601	12640	6278	18626	32449	48049	59455
European Union including, by country:	55572	45064	25236	7185	9384	12326	11533	11534
Bulgaria	668	180	124	112	268	373	297	292
Germany	48363	40443	21458	3725	3979	4792	4531	4694
Greece	886	314	155	92	226	306	291	478
Spain	106	160	320	296	403	438	411	388
Italy	193	273	249	300	390	473	534	392
Latvia	636	365	211	139	556	904	946	926
Lithuania	1162	376	213	153	339	597	604	579
Finland	923	1142	737	517	715	1016	664	578
Sweden	151	195	110	128	122	160	161	135
Estonia	702	385	225	206	726	1011	1000	1089
other countries	33740	20146	9144	5187	29145	38957	42872	45196
Australia	297	176	209	184	255	308	226	183
Afghanistan	146	25	11	14	181	499	612	576
Vietnam	385	33	45	32	2355	3282	3008	3341
Georgia	3286	1802	691	459	1553	3538	3729	4217
Israel	12873	9407	1745	947	1090	1151	1050	1142
Canada	1333	841	628	497	536	692	457	396
China	1222	658	456	248	7527	8607	9821	8837
USA	9087	4793	4040	1461	1485	1947	1610	1404
Turkey	356	104	85	147	1494	2397	2199	1314



**5.10. NUMBER OF FORCED MIGRANTS**

(as of January 1; persons)

	Persons who were granted temporary asylum			Refugees			Forced migrants		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
<b>Total</b>	<b>237780</b>	<b>313707</b>	<b>228392</b>	<b>790</b>	<b>770</b>	<b>598</b>	<b>28292</b>	<b>25359</b>	<b>19327</b>
out of them former permanent residents of:									
Abkhazia	3	2	1	-	-	-	118	94	77
Azerbaijan	5	9	10	7	9	8	303	263	189
Armenia	2	3	1	-	-	-	18	17	11
Afghanistan	693	572	417	414	352	292	-	-	-
Belarus	-	-	-	-	-	-	-	-	-
Georgia	457	292	226	65	52	34	6924	6527	6242
Kazakhstan	4	4	3	1	1	1	6997	6244	4366
Kyrgyzstan	33	48	21	4	3	2	446	406	311
Latvia	1	4	4	1	2	2	60	49	38
Lithuania	-	-	1	1	3	3	12	12	12
Republic of Moldova	8	14	7	4	10	9	138	122	85
Russia	-	-	-	-	-	-	8562	7301	4643
Syria	1924	1302	1317	2	2	2	61	63	62
Tajikistan	11	14	26	11	10	7	1175	1031	819
Turkmenistan	10	12	8	-	-	-	137	115	120
Uzbekistan	91	79	82	19	19	18	3010	2730	1973
Ukraine	234360	311134	226044	227	273	188	182	244	243
Estonia	-	-	-	-	-	-	28	26	30
South Osetia other territories or those not specified	-	-	-	-	-	-	120	108	99
	178	218	224	34	34	32	1	7	7



## 6. LABOUR

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The section contains data on the number and composition of labour force, employed and unemployed, as well as on occupational diseases and occupational injuries.

Tables 6.1, 6.2, 6.11 show figures for 2014 without account to data on the Crimean Federal District.

**Labour force** comprises all persons aged 15 to 72, who during the reference period were either employed or unemployed. The size of labour force includes data on employed and unemployed population based on the results of sample labour force survey.

**Labour force participation rate** – is the ratio of the labour force of a specified age group to the working population of the corresponding age group, calculated as a percentage.

Persons in **employment (employed)** are all persons aged 15 to 72, who during the reference week performed any activity to produce goods or services for pay or profit. The employed also comprise persons who, were temporarily not at work during a brief period of time and had a formal attachment to their job.

**Employment rate** represents persons in employment of a specific age group as a percentage of the total population of the corresponding age group.

Data on **average annual number of employed** persons are compiled by the main job of civil population once a year while building a balance of labour resources based on information of organiza-



tions, results of sample labour force survey, administrative data. Working foreign citizens (nationals), who are permanently or temporarily residents in the Russian Federation, are also included in average annual number of employed in economy.

According to the standards of the International Labour Organization (ILO), **unemployed** persons comprise all persons aged 15 to 72 who during the reference period met the following criteria:

had no job (profitable occupation);

had actively sought employment at some time during the previous four weeks;

were ready to start working during the reference week.

Pupils, students, pensioners and invalids are referred to the category of unemployed, if they didn't have a job, have been seeking for a job and were ready to start working.

**Unemployed registered in the State employment service** include persons having no job and wages (labour income), living on the territory of the Russian Federation, registered at a local employment offices at the place of residence to search a proper job, seeking for a job and ready to start working.

**Level of unemployment** is determined as a ratio of the unemployed of specified age group to the total number of population in labour force of the corresponding age group (percent).

**Duration of unemployment** (duration of seeking for a job) is a time period during which an unemployed person is seeking for a job, using all possible means.



**Information on foreign workers engaged in labour activities in Russia** was compiled on the basis of data of the Ministry of Internal Affairs of the Russian Federation.

**Up to 2011** the data was compiled using:

permissions to work – for foreign citizens who need the visas to enter Russia (from other countries and Turkmenistan) and for stateless persons;

notifications from employers who engage foreign employees – for foreign citizens who do not need visas to enter Russia (from the CIS countries: Azerbaijan, Armenia, Kazakhstan, Kyrgyzstan, Republic of Moldova, Tajikistan, Uzbekistan, Ukraine).

**Since 2011** the data is compiled using:

permissions to work – for foreign citizens and stateless persons who entered Russia using the visa and non-visa regime;

job-licenses to work for private persons – for foreign citizens and stateless persons who do not need visas to enter Russia.

**Since 2015** is compiled on the basis of:

work permits issued for foreign citizens, who entered the country in accordance with the procedures requiring the receipt of visa;

issued patents that give the right to perform labour activities for private persons (individuals) and legal entities, individual entrepreneurs and other individuals, whose work requires a registration – for foreign citizens arriving on a visa-free basis.

Information on foreign citizens does not include citizens of the Republic of Belarus, to whom procedures for employment of foreign labour force do not apply.



Since 2015 citizens of the Republic of Kazakhstan, the Republic of Armenia and the Kyrgyz Republic also perform labour activities without work credentials (work permits or patents). For these countries the data is compiled according to the number of citizens who are issued work permits or patents (high-skilled professionals or students who are working while studying)

In the number of foreign citizens with a valid work patent (as of end of period), during 2015 include information on foreign citizens arriving in the Russian Federation on a visa-free basis and those with valid work permit issued in 2014.

From 2015 the number of foreign citizens who were issued a patent includes those foreign nationals whose patent was reissued.

**Number of employees who suffered in occupational incidents** with a disability for one day and more and with death includes people who suffered in incidents during work at their job places or on the territory of organizations as well as in other cases prescribed by the legislation of the Russian Federation and are to be registered according to normative documents.

**6.1. LABOUR FORCE SIZE AND COMPOSITION <sup>1)</sup>**

(thou. persons)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Labour force –total</b>	<b>75060</b>	<b>72770</b>	<b>73581</b>	<b>75478</b>	<b>75676</b>	<b>75529</b>	<b>75428</b>	<b>76588</b>	<b>76636</b>
of which:									
employed	71171	65070	68339	69934	71545	71391	71539	72324	72393
unemployed	3889	7700	5242	5544	4131	4137	3889	4264	4243
<b>Males</b>	<b>39197</b>	<b>37631</b>	<b>37311</b>	<b>38601</b>	<b>38720</b>	<b>38720</b>	<b>38729</b>	<b>39433</b>	<b>39470</b>
of which:									
employed	37161	33574	34584	35566	36470	36478	36605	37136	37201
unemployed	2036	4057	2727	3034	2250	2242	2123	2296	2269
<b>Females</b>	<b>35863</b>	<b>35139</b>	<b>36270</b>	<b>36877</b>	<b>36956</b>	<b>36809</b>	<b>36700</b>	<b>37155</b>	<b>37166</b>
of which:									
employed	34010	31496	33755	34367	35075	34913	34934	35187	35192
unemployed	1853	3643	2515	2510	1881	1896	1766	1968	1975

<sup>1)</sup> Data source: sample labour force survey: 1992 – as of end of October, 2000-2016 – average annual data. Before 2006 - excluding data on the Chechen Republic.

**6.2. LABOUR FORCE PARTICIPATION, EMPLOYMENT AND UNEMPLOYMENT RATES AT THE AGE 15-72 <sup>1)</sup>**

(percent)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Labour force participation rate - total</b>	<b>70.7</b>	<b>65.5</b>	<b>66.0</b>	<b>67.7</b>	<b>68.7</b>	<b>68.5</b>	<b>68.9</b>	<b>69.1</b>	<b>69.5</b>
males	78.2	71.5	71.1	73.8	74.7	74.7	75.1	75.5	75.9
females	64.1	60.0	61.5	62.2	63.3	63.0	63.3	63.4	63.8
<b>Employment rate – total</b>	<b>67.1</b>	<b>58.5</b>	<b>61.3</b>	<b>62.7</b>	<b>64.9</b>	<b>64.8</b>	<b>65.3</b>	<b>65.3</b>	<b>65.7</b>
males	74.1	63.8	65.9	68.0	70.4	70.4	71.0	71.1	71.6
females	60.8	53.8	57.2	58.0	60.1	59.8	60.3	60.1	60.4
<b>Unemployment rate – total</b>	<b>5.2</b>	<b>10.6</b>	<b>7.1</b>	<b>7.3</b>	<b>5.5</b>	<b>5.5</b>	<b>5.2</b>	<b>5.6</b>	<b>5.5</b>
males	5.2	10.8	7.3	7.9	5.8	5.8	5.5	5.8	5.7
females	5.2	10.4	6.9	6.8	5.1	5.2	4.8	5.3	5.3

<sup>1)</sup> Data source: sample labour force survey: 1992– as of end of October, 2000-2016 – average annual data. Before 2006 - excluding data on the Chechen Republic.



**6.3. AVERAGE ANNUAL NUMBER OF EMPLOYED  
BY ECONOMIC ACTIVITY <sup>1)</sup>**

	Thou. persons			Percent of total		
	2005	2015	2016	2005	2015	2016
<b>Total</b>	<b>66683</b>	<b>68389</b>	<b>68430</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by economic activity:						
agriculture, hunting and forestry	7489	6297	6286	11.2	9.2	9.2
fishing	138	146	148	0.2	0.2	0.2
mining and quarrying	1122	1082	1088	1.7	1.6	1.6
manufacturing	11631	9840	9805	17.4	14.4	14.3
electricity, gas and water supply	1923	1923	1902	2.9	2.8	2.8
construction	4986	5652	5535	7.5	8.3	8.1
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	11038	12890	13078	16.6	18.8	19.1
hotels and restaurants	1017	1338	1378	1.5	2.0	2.0
transport and communications	5262	5501	5484	7.9	8.0	5.0
of which communications	940	840	837	1.4	1.2	1.2
financial intermediation	865	1278	1250	1.3	1.9	1.8
real estate, renting and business activities	4980	6002	6128	7.5	8.8	9.0
public administration and defence, compulsory social security	3367	3730	3678	5.1	5.5	5.4
education	6048	5541	5502	9.1	8.1	8.0
health and social work	4433	4529	4506	6.6	6.6	6.6
other community, social and personal service activities	2359	2560	2578	3.5	3.7	3.8

<sup>1)</sup> Data for 2005 is given excluding the Chechen Republic. From 2015 data is presented by main economic activity.

**6.4. LABOR PRODUCTIVITY GROWTH (DECREASE) RATE  
BY ECONOMIC ACTIVITY**  
(percent of previous year)

	2005	2010	2012	2013	2014	2015
<b>Total</b>	<b>105.5</b>	<b>103.2</b>	<b>103.5</b>	<b>101.8</b>	<b>100.7</b>	<b>97.8</b>
Agriculture, hunting and forestry	101.8	88.3	100.4	106.5	103.3	104.9
Fishing	96.5	97.0	108.5	103.8	96.1	99.5
Mining and quarrying	106.3	104.3	100.4	97.1	102.8	98.4
Manufacturing	106.0	105.2	105.7	106.0	102.5	96.9
Electricity, gas and water supply	103.7	103.0	101.3	99.5	100.2	99.9
Construction	105.9	99.6	101.6	99.8	98.4	101.0
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	105.1	103.6	102.1	100.0	98.7	91.5
Hotels and restaurants	108.5	101.7	101.5	101.0	99.8	94.1
Transport and communications	102.1	103.2	102.2	102.7	100.4	99.4
Real estate, renting and business activities	112.4	104.0	103.2	100.2	98.6	97.2

Changes in labour productivity are estimated by the Federal State Statistics Service for the economy as a whole and by economic activities which products are sold mainly at market-oriented prices.

The index of changes in labor productivity for the economy as a whole is calculated by dividing the volume index of GDP and the changes in cumulative labor costs by economic activities up to 2010 - as the quotient of dividing the index of the physical volume of production and changes in the aggregate labor costs by «net» economic activities, from 2010 - as the quotient of dividing the index of the physical volume of value added and changes in the aggregate labor costs by «business» economic activities.

Indices of change in GDP, output and value added are calculated based on the absolute values of these indices at constant prices.

Indices of change in cumulative labor costs are determined on the basis of labor costs for all types of work, including of additional work and production for own consumption, adjusted to contingent workers in full-time equivalents.



**6.5. NUMBER OF EMPLOYED BY SEX AND OCCUPATION in 2016 <sup>1)</sup>**  
 (average annual data; thou. persons)

	Total	of which	
		males	females
<b>Employed - total</b>	<b>72393</b>	<b>37201</b>	<b>35192</b>
<b>Managers</b>	<b>5090</b>	<b>2951</b>	<b>2139</b>
<b>High-skilled professionals</b>	<b>17212</b>	<b>6328</b>	<b>10884</b>
science and engineering professionals	3159	2189	970
health professionals	1610	568	1042
teaching professionals	4341	716	3625
business and administration professionals	4511	1217	3294
information and communications technology professionals	829	676	154
legal, social and cultural professionals	2760	962	1798
<b>Associate Professionals</b>	<b>9441</b>	<b>3752</b>	<b>5689</b>
science and engineering associate professionals	2655	2183	472
health associate professionals	2500	209	2291
business and administration associate professionals	3351	1006	2345
legal, social, cultural and related associate professionals	715	176	539
information and communications technicians	221	178	43
<b>Clerical support workers, preparing and processing documents, material recording and customer services clerks</b>	<b>2249</b>	<b>352</b>	<b>1896</b>
general and keyboard clerks	522	45	477
customer services clerks	510	94	416
numerical and material recording clerks	732	150	582
other clerical support workers	485	64	421



Continued table 6.5

	Total	of which	
		males	females
<b>Services and sales workers, protective services workers</b>	<b>11103</b>	<b>3422</b>	<b>7681</b>
personal services workers	2506	408	2099
sales workers	5432	904	4527
personal care workers	840	36	804
protective services workers	2324	2073	251
<b>Skilled agricultural, forestry and fishery workers</b>	<b>2486</b>	<b>1226</b>	<b>1260</b>
<b>Craft workers, building, machinery and related trades workers</b>	<b>9387</b>	<b>7766</b>	<b>1621</b>
building and related trades workers (excluding electricians)	2435	2188	247
metal, machinery workers, machinery mechanics and repairers	4033	3840	192
precision-instrument makers, handicraft and printing trades workers	238	154	85
electrical and electronic trades workers	894	798	96
food processing, woodworking, garment and other craft and related trades workers	1787	785	1001
<b>Stationary plant and machine operators, assemblers and drivers</b>	<b>9115</b>	<b>8078</b>	<b>1036</b>
stationary plant and machine operators	2002	1220	781
assemblers	231	180	51
drivers and mobile plant operators	6882	6678	204
<b>Elementary occupations</b>	<b>6311</b>	<b>3327</b>	<b>2984</b>
cleaners and helpers	1150	62	1088
agricultural, forestry and fishery labourers	440	305	136



Continued table 6.5

	Total	of which	
		males	females
labourers in mining, construction, manufacturing and transport	1669	1125	543
food preparation assistants	167	38	129
street and related sales and services workers	79	42	36
refuse workers and other elementary workers	2806	1754	1052

<sup>1)</sup> Data source: sample labour force survey.

Grouping list of occupations is given according to the Russian classification of occupations (OK 010-2014).

### 6.6. EMPLOYED BY AGE GROUPS AND EDUCATIONAL ATTAINMENT in 2016<sup>1)</sup> (average annual data; percent of total)

	Total	Males	Females
<b>Employed – total</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by age, years old:			
15 - 19	0.6	0.7	0.4
20 - 24	6.4	7.1	5.7
25 - 29	14.5	15.5	13.4
30 - 34	14.3	14.8	13.6
35 - 39	13.2	13.0	13.3
40 - 44	12.5	12.0	13.1
45 - 49	11.2	10.5	12.0
50 - 54	12.7	11.7	13.8
55 - 59	9.4	9.7	9.1
60 - 72	5.3	5.0	5.5
Mean age of employed, years old	40.7	40.2	41.2
<b>Employed in the economy - total</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which with educational attainment:			
higher	33.5	29.4	37.7
secondary vocational – total	45.1	45.8	44.3
with training programs for middle-level professionals with programmes for skilled workers (office workers) <sup>2)</sup>	25.9	22.2	29.8
19.2	23.6	14.5	
general	18.1	20.6	15.5
basic general	3.2	4.0	2.4
no schooling (without basic general)	0.2	0.2	0.1

<sup>1)</sup> Data source: sample labour force survey.

<sup>2)</sup> Including initial vocational education.



**6.7. EMPLOYED IN THE ECONOMY  
FOREIGN COUNTRIES BY**  
(percent)

	Rus- sia 2016	CIS countries							
		Azer- bajjan <sup>2)</sup> 2015	Arme- nia <sup>2)</sup> 2015	Bela- rus <sup>3)</sup> 2015	Kazakh- stan <sup>2)</sup> 2015	Kyrgyz- stan <sup>2)</sup> 2015	Repub- lic of Moldo- va <sup>2)</sup> 2015	Tajikis- tan <sup>3)</sup> 2015	Ukraine <sup>2)</sup> 2015
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by economic activity:									
agriculture, hunting and forestry	6.5	36.4 <sup>4)</sup>	35.3 <sup>4)</sup>	9.7	18.0 <sup>4)</sup>	29.3 <sup>4)</sup>	31.7 <sup>4)</sup>	64.9	17.5 <sup>4)</sup>
fishing	0.2	...	...	0.0	...	...	...	0.0	...
mining and quarrying	2.2	0.8	0.7	0.3	3.3	0.4	0.2	0.5	15.7 <sup>5)</sup>
manufacturing	14.4	4.9	8.0	20.5	6.4	7.4	10.0	2.5	...
electricity, gas and water supply	3.2	1.1 <sup>6)</sup>	2.5 <sup>6)</sup>	2.6	2.9 <sup>6)</sup>	1.8 <sup>6)</sup>	2.1 <sup>6)</sup>	0.8	...
construction	7.2	7.2	4.7	7.7	8.0	11.3	5.4	2.8	3.9
wholesale and retail trade; repair of mo- tor vehicles, motor- cycles and personal and household goods	15.9	14.8	10.5	14.6	14.6	15.5	13.6	6.3	21.3
hotels and restaurants	2.5	1.3	2.1	2.1	2.0	4.2	2.2	0.4	1.7
transport and communications	9.5	5.5 <sup>7)</sup>	5.5 <sup>7)</sup>	7.4	8.9 <sup>7)</sup>	8.2 <sup>7)</sup>	6.3 <sup>7)</sup>	2.4	7.7 <sup>7)</sup>
financial intermediation	2.2	0.7	1.5	1.7	2.3	1.1	1.4	1.1	1.5



**OF RUSSIA AND SELECTED  
ECONOMIC ACTIVITY <sup>1)</sup>**  
 of total)

EU countries <sup>2)</sup>							Other countries
Germany 2015	Poland 2015	United Kingdom 2015	Finland 2015	France 2015	Sweden 2015	Estonia 2015	USA 2015
<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
1.4 <sup>4)</sup>	11.5 <sup>4)</sup>	1.1 <sup>4)</sup>	4.2 <sup>4)</sup>	2.7 <sup>4)</sup>	2.0 <sup>4)</sup>	3.9 <sup>4)</sup>	1.6 <sup>4)</sup>
...	...	...	...	...	...	...	...
0.2	1.4	0.5	0.2	0.1	0.2	0.5	0.6
19.3	19.3	9.6	13.5	12.2	10.4	18.9	10.3
1.4 <sup>6)</sup>	2.2 <sup>6)</sup>	1.3 <sup>6)</sup>	1.0 <sup>6)</sup>	1.4 <sup>6)</sup>	1.1 <sup>6)</sup>	1.7 <sup>6)</sup>	0.9 <sup>6)</sup>
6.8	7.5	7.2	6.9	6.4	6.5	9.7	6.7
14.1	14.5	13.0	11.7	12.8	11.6	13.1	13.7
3.9	2.1	5.2	3.6	3.8	3.5	4.1	7.1
7.9 <sup>7)</sup>	8.2 <sup>7)</sup>	9.0 <sup>7)</sup>	10.0 <sup>7)</sup>	8.4 <sup>7)</sup>	9.3 <sup>7)</sup>	11.4 <sup>7)</sup>	6.3 <sup>7)</sup>
3.1	2.5	4.0	2.0	3.3	2.0	1.4	4.8



## 6. LABOUR

	Russia 2016	CIS countries							
		Azerbaijan <sup>2)</sup> 2015	Armenia <sup>2)</sup> 2015	Belarus <sup>3)</sup> 2015	Kazakhstan <sup>2)</sup> 2015	Kyrgyzstan <sup>2)</sup> 2015	Republic of Moldova <sup>2)</sup> 2015	Tajikistan <sup>3)</sup> 2015	Ukraine <sup>2)</sup> 2015
real estate, renting and business activities	7.0	4.4	2.2	7.9	6.4	1.6	3.6	1.0	6.0
public administration and defence, compulsory social security	7.4	6.2	8.7	4.1	5.5	4.1	5.0	1.5	5.9
education	9.4	8.0	10.0	9.8	11.7	8.2	9.0	8.8	9.1
health and social work	8.0	3.9	4.6	7.2	5.3	3.5	5.6	4.1	6.3
other community, social and personal service activities	4.3	4.8 <sup>8)</sup>	3.7 <sup>8)</sup>	4.4	4.7 <sup>8)</sup>	3.4 <sup>8)</sup>	3.9 <sup>8)</sup>	2.9	3.4 <sup>8)</sup>

<sup>1)</sup> Data source: sample labour force surveys; average annual data.

<sup>2)</sup> According to NACE (Rev.2).

<sup>3)</sup> Data source: labor force balance sheet.

<sup>4)</sup> Including fishing and aquaculture.

<sup>5)</sup> Including manufacturing, electricity, gas and water supply.

<sup>6)</sup> Including wastewater system, refuse disposal and environmental restoration measures.

<sup>7)</sup> Including activities in information services.

<sup>8)</sup> Including other economic activities and employed not broken down by economic activity.



## 6. LABOUR

Continued table 6.7

EU countries <sup>2)</sup>							Other countries
Germany 2015	Poland 2015	United Kingdom 2015	Finland 2015	France 2015	Sweden 2015	Estonia 2015	USA 2015
11.1	7.3	12.9	12.4	11.0	14.7	8.4	13.7
6.9	6.7	5.9	4.3	9.2	6.5	6.6	4.7
6.6	7.7	10.5	7.3	7.6	11.4	9.5	9.1
12.7	5.9	13.3	16.6	14.7	15.2	6.1	13.5
1.4	2.8	5.5	5.5	4.1	5.0	4.5	5.3



**6.8. NUMBER OF FOREIGN CITIZENS,  
ENGAGED IN LABOUR ACTIVITIES IN THE RUSSIAN FEDERATION  
in 2000-2010 <sup>1)</sup>**

	Thou. persons			Percent of total		
	2000	2005	2010	2000	2005	2010
<b>Total <sup>2)</sup></b>	<b>213.3</b>	<b>702.5</b>	<b>1640.8</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:						
from CIS countries	106.4	343.7	1246.9	49.9	48.9	76.0
Azerbaijan	3.3	17.3	40.3	1.5	2.5	2.5
Armenia	5.5	26.2	59.8	2.6	3.7	3.6
Georgia <sup>3)</sup>	5.2	4.3	-	2.4	0.6	-
Kazakhstan	2.9	4.1	8.3	1.4	0.6	0.5
Kyrgyzstan	0.9	16.2	117.7	0.4	2.3	7.2
Republic of Moldova	11.9	30.6	72.2	5.6	4.4	4.4
Tajikistan	6.2	52.6	268.6	2.9	7.5	16.4
Turkmenistan	0.2	1.5	1.2	0.1	0.2	0.1
Uzbekistan	6.1	49.0	511.5	2.9	7.0	31.2
Ukraine	64.1	141.8	167.3	30.1	20.2	10.2
from other countries	106.9	358.7	392.0	50.1	51.1	23.9
Vietnam	13.3	55.6	46.0	6.2	7.9	2.8
China	26.2	160.6	186.5	12.3	22.9	11.4
Democratic People's Republic of Korea	8.7	20.1	36.5	4.1	2.9	2.2
USA	1.8	2.9	4.3	0.9	0.4	0.3
Turkey	17.8	73.7	45.7	8.4	10.5	2.8

<sup>1)</sup> Data source: MIA of Russia.

<sup>2)</sup> Including stateless persons.

<sup>3)</sup> From 2010 data is included in grouping «from other countries».



**6.9. NUMBER OF FOREIGN CITIZENS  
WITH VALID WORK PERMITS <sup>1)</sup>**

	Thou. persons				Percent of total			
	2013	2014	2015	2016	2013	2014	2015	2016
<b>Total <sup>2);3)</sup></b>	<b>1111.5</b>	<b>1043.8</b>	<b>182.4</b>	<b>143.9</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:								
from CIS countries	947.3	866.0	33.5	25.0	85.2	83.0	18.4	17.4
out of them:								
Azerbaijan	18.1	14.1	2.5	2.0	1.6	1.3	1.3	1.4
Armenia	35.5	30.3	1.5	1.5	3.2	2.9	0.8	1.0
Kazakhstan	0.7	0.5	0.2	0.2	0.1	0.0	0.1	0.1
Kyrgyzstan	82.7	72.9	2.5	1.1	7.4	7.0	1.4	0.8
Republic of Moldova	45.5	40.4	1.5	0.9	4.1	3.9	0.8	0.6
Tajikistan	162.8	145.7	10.7	8.3	14.6	14.0	5.9	5.8
Turkmenistan	0.5	0.5	0.4	0.5	0.0	0.0	0.2	0.3
Uzbekistan	476.6	422.0	10.0	7.8	42.9	40.4	5.5	5.4
Ukraine	124.9	139.5	4.2	2.7	11.2	13.4	2.3	1.9
from other countries	162.5	176.8	148.6	118.6	14.6	16.9	81.5	82.5
out of them:								
Vietnam	10.3	13.5	14.1	12.5	0.9	1.3	7.7	8.7
China	71.3	71.7	49.4	40.5	6.4	6.9	27.1	28.1
Democratic People's Republic of Korea	27.2	30.7	30.4	29.1	2.4	2.9	16.7	20.2
USA	0.6	1.1	1.2	1.0	0.1	0.1	0.6	0.7
Turkey	27.7	24.1	19.3	9.9	2.5	2.3	10.6	6.9

<sup>1)</sup> Data source: MIA of Russia; end of year.

<sup>2)</sup> Including stateless persons.

<sup>3)</sup> Since 2015 the procedure for performing labour activities by foreign nationals arriving on a visa-free basis has changed. For more information see methodological notes.





**6.10. NUMBER OF FOREIGN CITIZENS  
WITH A VALID PATENT TO PERFORM LABOUR ACTIVITIES <sup>1)</sup>**

	Thou. persons				Percent of total			
	2013	2014	2015	2016	2013	2014	2015	2016
<b>Total <sup>2);3)</sup></b>	<b>1117.8</b>	<b>2079.8</b>	<b>1656.3</b>	<b>1543.4</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which from CIS countries	1117.8	2077.6	1655.4	1542.6	100	99.9	99.9	99.9
out of them:								
Azerbaijan	45.3	93.2	48.8	48.2	4.0	4.5	2.9	3.1
Armenia	80.1	145.9	0.2	0.0	7.2	7.0	0.0	0.0
Kazakhstan	1.5	1.5	0.4	0.2	0.1	0.1	0.0	0.0
Kyrgyzstan	67.2	151.9	31.0	0.2	6.0	7.3	1.9	0.0
Republic of Moldova	40.4	175.1	96.4	64.3	3.6	8.4	5.8	4.2
Tajikistan	252.2	432.5	416.8	393.4	22.6	20.8	25.2	25.5
Uzbekistan	595.0	824.8	859.2	871.7	53.2	39.7	51.9	56.5
Ukraine	36.3	252.6	202.7	164.6	3.2	12.1	12.2	10.7

<sup>1)</sup> Data source: MIA of Russia; end of year.

<sup>2)</sup> Including stateless persons.

<sup>3)</sup> Since 2015 the procedure for performing labour activities by foreign nationals arriving on a visa-free basis has changed. For more information see methodological notes.



## 6.11. NUMBER OF UNEMPLOYED

	1992	2000	2005	2010	2012	2013	2014	2015	2016
	<b>According to the results of sample labour force surveys <sup>1)</sup></b>								
Total number of unemployed, thou. persons	3889	7700	5242	5544	4131	4137	3889	4264	4243
of which:									
students, pupils, pensioners									
thou. persons	718	821	580	683	498	535	561	599	579
percent	18.5	10.7	11.1	12.3	12.1	12.9	14.4	14.0	13.7
females									
thou. persons	1853	3643	2515	2510	1881	1896	1766	1968	1975
percent	47.6	47.3	48.0	45.3	45.5	45.8	45.4	46.1	46.5
rural residents									
thou. persons	639	1897	1836	1947	1540	1502	1408	1438	1438
percent	16.4	24.6	35.0	35.1	37.3	36.3	36.2	33.7	33.9

Continued table 6.11

	1992	2000	2005	2010	2012	2013	2014	2015	2016
	<b>According to the data of the Federal Employment Service (end of year)</b>								
Number of unemployed registered at the state employment services <sup>2)</sup> , thou. persons	578	1037	1830	1589	1065	918	883	1001	895
Of which:									
females									
thou. persons	417	715	1200	891	593	502	480	535	469
percent	72.2	68.9	65.5	56.1	55.7	54.7	54.3	53.5	52.4
rural residents									
thou. persons	102	325	891	699	494	425	382	377	336
percent	17.6	31.4	48.7	44.0	46.4	46.3	43.3	37.7	37.6
Ratio of number of unemployed registered at the state employment services to total number of unemployed, percent	14.9	13.5	34.9	28.7	25.8	22.2	22.7	23.5	21.1

<sup>1)</sup> Data for 1992 is given as of end of October; 2000-2016 – average annual data. Before 2006 - excluding data on the Chechen Republic.

<sup>2)</sup> From 2005 – including data on the Chechen Republic.



**6.12. UNEMPLOYED BY AGE GROUPS AND  
EDUCATIONAL ATTAINMENT in 2016<sup>1)</sup>**  
(average annual data; percent of total)

	Total	Males	Females
<b>Unemployed – total</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by age, years old:			
15 - 19	4.2	4.5	3.9
20 - 24	19.1	19.4	18.7
25 - 29	16.5	15.8	17.4
30 - 34	13.1	12.5	13.9
35 - 39	10.8	10.8	10.9
40 - 44	9.0	9.1	8.9
45 - 49	7.9	7.7	8.2
50 - 54	9.8	9.5	10.3
55 - 59	6.4	7.9	4.6
60 - 72	3.1	3.0	3.2
Mean age of unemployed, years old	35.8	36.0	35.5
<b>Unemployed - total</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which with education attainment:			
higher	20.5	17.1	24.3
secondary vocational – total	40.4	41.5	39.1
with training programs for middle-level professionals with programmes for skilled workers (office workers) <sup>2)</sup>	20.5	18.2	23.1
general	29.8	30.2	29.4
basic general	8.7	10.3	6.8
no schooling (without basic general)	0.6	0.8	0.4

<sup>1)</sup> Data source: sample labour force survey.

<sup>2)</sup> Including initial vocational education.

**6.13. EMPLOYED AND UNEMPLOYED  
BY MARITAL STATUS in 2016<sup>1)</sup>**  
(average annual data; percent of total)

	Total	of which			
		married	single	widowed	divorced, separated
Employed – total	100	68.8	16.4	3.1	11.6
males	100	73.1	19.1	1.0	6.8
females	100	64.3	13.6	5.4	16.7
Unemployed – total	100	49.9	35.5	2.9	11.7
males	100	46.6	41.9	1.1	10.3
females	100	53.6	28.0	5.0	13.4

<sup>1)</sup> Data source: sample labour force survey.



**6.14. UNEMPLOYED BY  
PREVIOUS WORK EXPERIENCE AND  
UNEMPLOYMENT REASONS in 2016<sup>1)</sup>**  
(average annual data; percent of total)

	Total	Males	Females
<b>Unemployed - total</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:			
persons with work experience	74.3	76.6	71.5
of which who left their former job (activity) by the following reasons:			
dismissal, retrenchment, liquidation of enterprise, their own business	18.5	19.5	17.4
termination of fixed-term labour contract, legal contracts	4.9	6.2	3.5
on one's own accord	24.9	26.8	22.6
other reasons	25.9	24.2	28.0
persons without work experience	25.7	23.4	28.5

<sup>1)</sup> Data source: sample labour force survey.

**6.15. JOB PLACEMENTS BY THE STATE  
EMPLOYMENT SERVICES <sup>1)</sup>**

	Applicants for a job				Gainfully employed			
	2000	2005	2015	2016	2000	2005	2015	2016
	<b>Thousand persons</b>							
<b>Total</b>	<b>4745.9</b>	<b>6438.0</b>	<b>4290.0</b>	<b>4002.3</b>	<b>3199.4</b>	<b>4075.8</b>	<b>2639.5</b>	<b>2577.4</b>
of which:								
engaged in labor activities and studies	1462.9	1397.7	826.2	777.9	1339.2	1310.8	761.1	706.9
not engaged in labor activities <sup>2)</sup>	3283.0	5040.3	3463.8	3224.4	1860.2	2765.0	1878.4	1870.5
of which seek- ing for a job for the first time (not engaged in labor activi- ties before)	2049.1	2470.5	869.2	592.3	1622.5	1828.9	591.6	368.8



Continued table 6.15

	Applicants for a job				Gainfully employed			
	2000	2005	2015	2016	2000	2005	2015	2016
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:								
engaged in labor activities and studies	30.8	21.7	19.3	19.4	41.9	32.2	28.8	27.4
not engaged in labor activities <sup>2)</sup>	69.2	78.3	80.7	80.6	58.1	67.8	71.2	72.6
of which seeking for a job for the first time (not engaged in labor activities before)	43.2	38.4	20.3	14.8	50.7	44.9	22.4	14.3

At the end of 2016 the employer's demand to the state employment services for labour force was 1175.6 thou. persons.

The number of not engaged in labor activities applied for assistance to the state employment services as per one announced vacancy was 0.9 persons at end of 2016.

<sup>1)</sup> Data source: Rostrud; 2000 – excluding data on the Chechen Republic.

<sup>2)</sup> Including pensioners.

### 6.16. STRIKES

Years	Number of organizations where strikes took place	Number of strikers		Time of idleness, man-days		Average number of idle days per one striker
		thou. persons	average per one organization, persons	thou.	average per organization	
1992	6273	357.6	57	1893.3	302	5.3
2000	817	30.9	37	236.4	289	7.6
2005	2575	84.6	33	85.9	33	1.0
2010	-	-	-	-	-	-
2012	6	0.5	84	2.4	401	4.8
2013	3	0.2	65	0.2	78	1.2
2014	2	0.5	231	5	2506	10.9
2015	5	0.8	167	10.2	2034	12.2
2016	3	0.1	19	0.1	33	1.7

**6.17. OCCUPATIONAL INJURIES**

(persons)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Number of persons who suffered in occupational accidents with a disability for one day and more and with death:									
total, thou.	364	152	78	48	40	36	31	28	27
per 1000 employees	6.2	5.1	3.1	2.2	1.9	1.8	1.5	1.3	1.3
Number of persons who suffered in occupational accidents with death:									
total	7655	4404	3091	2004	1820	1699	1447	1288	1290
per 1000 employees	0.131	0.149	0.124	0.094	0.084	0.080	0.067	0.062	0.062

In 2016 production time losses due to occupational accidents were 1.3 mln. man-days.

**6.18. OCCUPATIONAL DISEASES (INTOXICATIONS)<sup>1)</sup>**

(persons)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Number of intoxication cases reported as occupational diseases for the first time:									
total	10624	9280	8156	7671	6696	6993	6718	6334	5520
per 10 000 employees	1.88	1.81	1.69	1.64	1.46	1.53	1.48	1.40	...

<sup>1)</sup> Data source: Rospotrebnadzor of Russia.



## 7. LIVING STANDARDS OF POPULATION

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The section contains data on the volume, composition, main directions of use and the differentiation of money income of population as well as information on the structure of consumer expenditure of households. Information is published on the housing stock and the living conditions of population.

**Real size of money income of population, accrued wages and salary, monthly pensions** - relative indicators calculated by dividing the indices of nominal size<sup>1)</sup> of money income of population, accrued wages, monthly pensions by a consumer price index for relevant period of time.

**Money income of population** comprises gains of persons engaged in entrepreneurial business activity, paid remuneration of employees, social transfers (pensions, benefits, grant, insurance compensations and other transfers), property income in the form of interest on deposits, securities, dividends, and other income. Money income less compulsory payments and dues are **disposable money income of population**.

**Average per capita money income** (per month) is calculated by dividing the total sum of annual money income by 12 and by the population size.

**Accrued average monthly nominal wages** of employees of organizations are compiled by dividing accrued wages fund of the employees by average annual payroll number of employees and by 12. Benefits granted to the employed from the state extra-budget funds are not included in the wages and salaries fund and in average wages and salaries.

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<sup>1)</sup> "Nominal" is understood as an actually gained size of income, wages and pensions during the reporting period.





**Average accrued pension** determined by dividing the total sum of the accrued pensions by the number of pensioners, registered in the system of the Pension Fund of the Russian Federation.

**Pensioners** are the persons who realized their right to get pensions in accordance with the legislation of the Russian Federation and are residents of the Russian Federation.

**Monetary expenditures** of population include expenditures for purchasing goods and paying for services, including payments for goods (works, services) using bank cards abroad, compulsory payments, contributions (taxes and charges, insurance payments, contributions for public and co-operative organizations, interests on credits, etc.), savings. Savings consist of increase (decrease) of citizens bank accounts, purchasing foreign currency, purchasing of securities and real estate, livestock and poultry, changes in individual entrepreneurs' accounts, credit indebtedness, increase (decrease) of cash money in hands.

**Subsistence minimum level** in accordance with the Federal Law of October 24, 1997, No 134-FZ "On the subsistence minimum in the Russian Federation" is a value estimate of a consumer basket and compulsory payments and dues. It is determined quarterly and is set by the Government of the Russian Federation for Russia as a whole.

Since 2013 in line with the Federal Law № 233-FZ from December 3, 2012" On Amending the Federal Law" On the subsistence minimum in the Russian Federation " the procedure for determining the consumer basket and compiling the size of subsistence minimum for the Russian Federation as a whole and constituent entities of the Russian Federation was reviewed.



In line with the Federal Law № 227-FZ from December 3, 2012 «On consumer basket in the Russian Federation as a whole» consumer basket includes a minimum set of food (in physical terms), as well as non-food goods and services, cost of which is determined in relation to the cost of the minimum set of food products (in the volume of 50% from the cost of food products), which is necessary to safe health of people and ensure their life activities. Observation of consumer price level for food goods and consumer price indices for food, non-food products and services for the estimation of subsistence minimum level for the Russian Federation as a whole is carried out by state statistics bodies in all constituent entities of the Russian Federation using the list of representative goods that includes 42 items.

In 2000 - 2012 minimum subsistence level was determined on the basis of consumer basket specified by the Federal law and data of Rosstat on the level of consumer prices for food stuffs, non-food products and services.

In 1992-1999 the subsistence minimum level was calculated on the basis of methodological recommendations of Mintrud of Russia of November 10, 1992 according to the Decree of the President of the Russian Federation of March 2, 1992 № 210 “On the system of minimal consumer budgets of population of the Russian Federation”.

**Population with money income below the subsistence minimum level** is determined on the basis of the data on the distribution of population according to the level of average per capita money income and is a result of their comparison with the subsistence minimum level.



**The deficit of money income** is determined as the sum of money necessary to raise the income of population with money income below subsistence minimum level to the subsistence minimum level.

**Breakdown of population by per capita average money income** characterizes the differentiation of population by level of material wealth and presents indicators of numbers (or shares) of resident population grouped in the given intervals of average per capita money income.

Calculation on breakdown of population by average per capita money income is compiled in accordance with the methodology approved on July 16, 1996 №61 of Goskomstat of Russia reconciled with concerned ministries and agencies. Data series of distribution are created using the imitation modeling method by transformation of empiric distribution, obtained from results of sample household budgets survey, into the data series of distribution, which corresponds to a value of grouping, attribute in general universe (average per capita income obtained from data on the balance of income and expenditures of population).

**Breakdown of total volume of money income by different groups of population is** expressed by a share of total volume of money income for each 20-percent groups of population ranged by the extent of growing average per capita money income.

**The coefficient of funds (coefficient of income differentiation)** characterizes the degree of social stratification and is defined as a ratio between the average levels of money income of 10 percent of the population with the highest income and 10 percent of the population with the lowest income.



**Coefficient Gini (index of income inequality)** characterizes the level of deviation of the actual volume of distribution of income of population from the line of their even distribution. The value of coefficient may vary from 0 to 1, and the higher the value of the indicator, the less even is the distribution of income in the society.

**Actual final consumption of households** includes expenditures on purchasing of consumer goods and services and also a cost of goods and services consumption in kind - produced for itself, received as remuneration and social transfers in kind, i.e. gratis and privilege individual goods and services, received from the state administration sector and non-profit institutions, serving households.

**The sample household budget survey** is the method of state statistical observation on living standard of population. The frame of the study and dissemination of budget survey data is defined by the following goals: to collect data on breakdown of population by levels of prosperity; to get weighting indicators to calculate a consumer price index, to get data to compile accounts of household sector for the system of national accounts.

The household budget survey is conducted in all constituent entities of the Russian Federation and covers 48.5 thousand households. The results of the survey are compiled quarterly and for a year as a whole.

Starting from 1997, the two-stage random sampling built up by territorial principle has been used to form sample frame of households. A final unit of the selection is a household. Collective households consisting of persons who are for a long period in hospitals, in special retirement houses for the elders, boarding schools and



other institutional organizations are not included in the sample survey. The units of this survey are households and their members.

**The consumer expenditures of households** comprise a part of money expenditures that are spent for acquisition of consumer goods and services. Their composition does not include the purchase of art, antiquarian and jewelry goods acquired like capital investments, the payment for materials and work on construction and capital repairs of living quarters and subsidiary premises, which refer to investments in fixed capital.

**The housing stock** – the aggregate of all dwellings, situated on the territory of the Russian Federation.

**Dwellings** are treated as an isolated premises which is real estate and suitable for permanent living of citizens (meet established sanitarium and technical rules, norms and other legal requirements).

The housing stock does not include cottages (dachas), summer garden houses, sporting and tourist centers, motels, camping, sanatoria, health resorts, holiday hotels, visitors' houses, hotels, barracks, monks' cells, railway carriages and other structures.

**The total floor space of the dwelling (houses)** is determined as a sum of the areas of the living rooms and including auxiliary premises which are to meet everyday and other needs of citizens, excluding loggia, balconies, veranda and terrace.



## INDICATORS OF LIVING STANDARDS OF POPULATION

## 7.1. MAIN SOCIO-ECONOMIC INDICATORS OF LIVING STANDARDS OF POPULATION

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Actual final consumption of households (at current prices) <sup>1)</sup> , bln. roubles (1992 - trln. roubles)	7.9	3813.5	12455	27962	39807	44053	48515	49996	51227
percent of GDP	42.8	52.3	57.3	59.8	59.4	61.8	61.3	59.9	60.7
percent of previous year <sup>2)</sup>	97.3	105.9	110.8	104.3	105.9	103.5	101.7	91.2	95.9
per capita, roubles (1992 - thou. roubles)	53	26014	86784	195744	277981	306971	332086	341486	349259
Average per capita money income of population (monthly) <sup>3)</sup> , roubles (1992 - thou. roubles)	4.0	2281	8088	18958	23221	25928	27767	30467	30738
Real disposable money income <sup>4)</sup> , percent of previous year	52	112	112	106	105	104	99	97	94
Accrued average monthly nominal wages of employees of organizations <sup>5)</sup> , roubles (1992 - thou. roubles)	6.0	2223	8555	20952	26629	29792	32495	34030	36746

## 7. LIVING STANDARDS OF POPULATION

Continued table 7.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Real accrued wages of employees of organizations, percent of previous year	67	121	113	105	108	105	101	91	101
Average pension <sup>6)</sup> , roubles (1992 - thou. roubles)	1.6	694.3	2364	7476	9041	9918	10786	11986	12391
Real pension <sup>6)</sup> , percent of previous year	52	128	110	135	105	103	101	96	97
Subsistence minimum level (average per capita):									
roubles per month (1992 - thou. roubles )	1.9	1210 <sup>7)</sup>	3018 <sup>8)</sup>	5688	6510	7306 <sup>9)</sup>	8050	9701	9828
percent of previous year	...	120 <sup>10)</sup>	119 <sup>10)</sup>	110	102	108 <sup>10)</sup>	110	121	101
Subsistence minimum level of a pensioner for the purpose of receiving an additional social support <sup>11)</sup> , roubles per month				4780	5564	6131	6354	7161	8803



## 7. LIVING STANDARDS OF POPULATION

Continued table 7.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Comparison with subsistence minimum level, percent:									
of average per capita money income <sup>3)</sup>	212	189	268	333	357	355	345	314	313
of accrued average monthly nominal wages <sup>5)</sup>	281	168	263	341	378	379	374	325	347
of average pension <sup>6)</sup>	119	76	98	165	177	165	163	151	153
Population with money income below subsistence minimum level <sup>12)</sup> :									
mln. persons	49.3	42.3	25.4	17.7	15.4	15.5	16.1	19.5	19.8
percent of total population	33.5	29.0	17.8	12.5	10.7	10.8	11.2	13.3	13.5
percent of previous year	...	84.9 <sup>10)</sup>	88.5 <sup>10)</sup>	96.2	86.0	92.3 <sup>10)</sup>	103.9	117.4	101.5
Deficit of money income of indigent population <sup>12)</sup> :									
bln. roubles (1992 - trln. roubles)	0.4	199.2	288.7	375.0	370.5	417.9	478.6	700.8	722.3
percent of total money income of population	6.2	5.0	2.1	1.2	0.9	0.9	1.0	1.3	1.3





Continued table 7.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Coefficient of funds (coefficient differentiation of income) <sup>12)</sup> , in times	8.0	13.9	15.2	16.6	16.4	16.3	16.0	15.7	15.7
Minimum wages (annual average) <sup>5)</sup> , roubles (1992 – thou. roubles)	0.7	107.8	746.7	4330	4611	5205	5554	5965	6852
Real minimum wages, percent of previous year	41.5	106.9	110.4	93.6	98.1	105.7	99.0	93.0	107.3

<sup>1)</sup> See footnote, page 183.

<sup>2)</sup> At constant prices.

<sup>3)</sup> Since 2010 – including data on the Chechen Republic.

<sup>4)</sup> Since 2011 – including data on the Chechen Republic.

<sup>5)</sup> For 2014 without account to data on the Crimean Federal district.

<sup>6)</sup> For 2000 - with compensation.

<sup>7)</sup> Since 2000 according to changes of the normative legal base and methodology for compilation of the size of subsistence minimum (see methodological guidelines page) the estimation published is based on data determined by the Government of the Russian Federation for I-IV quarters of corresponding years.

<sup>8)</sup> Since 2005 the structure of the consumer goods basket was revised to determine the subsistence minimum value, based on the Federal Law of October 24, 1997 №134-FZ «On the subsistence minimum in the Russian Federation».

<sup>9)</sup> On the basis of the Federal Law № 233-FZ from December 3, 2012 " On Amending the Federal Law" On the subsistence minimum in the Russian Federation" since 2013 the procedure for compiling the size of subsistence minimum has been changed.

<sup>10)</sup> By comparable methodology of subsistence minimum compilation.

<sup>11)</sup> Since January 1, 2010, in accordance with the Federal Law №213-FZ from July 24, 2009 for the purpose of bringing the financial security for pensioners up to the subsistence minimum level of pensioners, set in a constituent entity of the Russian Federation, additional social support is provided.

<sup>12)</sup> Since 2012 – including data on the Chechen Republic.



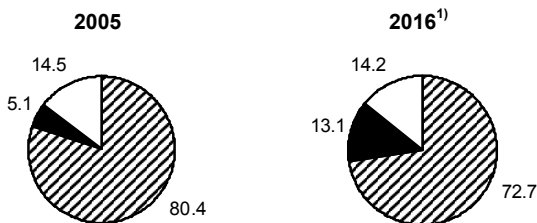
**7.2. ACTUAL FINAL CONSUMPTION OF HOUSEHOLDS <sup>1)</sup>**




(at current prices; bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
Actual final consumption of households	3813.5	12455.2	27961.9	39807.3	44052.5	48514.7	49995.6	51227.4
including from:								
expenditures of households	3295.2	10652.9	23617.6	34333.6	38068.4	42015.8	43242.6	43941.4
of which:								
expenditures on purchase of goods and services	2996.2	10019.6	22444.3	28308.5	31695.2	35494.8	36551.5	37249.3
imputed charges for goods and services received in kind <sup>2)</sup>	299.0	633.3	1173.3	6025.1	6373.2	6521.0	6691.1	6692.1
including consumption of own production	294.7	632.3	1172.4	6024.2	6372.3	6520.1	6690.2	6691.1
social transfers in kind	518.3	1802.3	4344.3	5473.7	5984.1	6498.9	6753.0	7286.0
including expenditures of public institutions rendering individual services	439.2	1662.9	4118.6	5226.3	5726.9	6211.0	6444.6	6954.1

<sup>1)</sup> Data for 2014-2016 was updated (see footnote, page 183).<sup>2)</sup> Excluding social transfers in kind.

### 7.3. ACTUAL FINAL CONSUMPTION OF HOUSEHOLDS (percent of total)



-  Purchases of goods and payment for services
-  Receipts of goods and services in kind
-  Social transfers in kind

<sup>1)</sup> See footnote, page 183.

### 7.4. CHANGES IN ACTUAL FINAL CONSUMPTION OF HOUSEHOLDS <sup>1)</sup>

(at constant prices; percent of previous year)

	2000	2005	2010	2012	2013	2014	2015	2016
Actual final consumption of households	105.9	110.8	104.3	105.9	103.5	101.7	91.2	95.9
of which from:								
expenditures of households	107.3	112.2	105.5	107.4	104.4	102.0	90.2	95.5
social transfers in kind	99.9	102.5	97.7	96.8	98.3	99.9	97.8	98.6

<sup>1)</sup> See footnote, page 183.



**INCOME AND EXPENDITURES OF POPULATION****7.5. COMPOSITION AND USE OF MONEY****INCOME OF POPULATION**

(1992 - trln. roubles; bln. roubles)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Money income – total</b>	<b>7.100</b>	<b>3984</b>	<b>13819</b>	<b>32498</b>	<b>39904</b>	<b>44650</b>	<b>47921</b>	<b>53526</b>	<b>54102</b>
of which:									
income from entrepreneurial activities	0.600	612	1580	2873	3745	3848	4022	4245	4229
labour remuneration <sup>1)</sup>	5.227	2502	8782	21190	25993	29139	31527	35105	34981
social transfers	1.014	551	1756	5762	7321	8296	8628	9768	10397
property income	0.071	271	1425	2023	2046	2474	2786	3340	3414
other income	0.188	48	276	650	799	893	958	1068	1082
<b>Money expenditures and savings – total</b>	<b>7.100</b>	<b>3984</b>	<b>13819</b>	<b>32498</b>	<b>39904</b>	<b>44650</b>	<b>47921</b>	<b>53526</b>	<b>54102</b>
of which:									
purchase of goods and payment for services	5.175	3009	9614	22614	29611	32848	36106	38004	39284
obligatory dues and various contributions	0.577	310	1390	3165	4440	5213	5674	5773	5991
acquisition of real estate	0.003	48	352	1105	1692	1751	2140	1535	1642
surplus of financial assets <sup>2)</sup>	1.345	617	2463	5614	4161	4838	4001	8214	7185
of which increase of currency in hands	0.968	110	205	735	3	332	76	-214	425
For reference purposes: increase/decrease(-) of indebtedness under credits	0.090	16	558	545	2312	2308	1364	-833	58

<sup>1)</sup> Including hidden (not registered officially) wages and salary.<sup>2)</sup> Less changes in indebtedness under credits.

**7.6. STRUCTURE OF MONEY INCOME  
AND EXPENDITURES OF POPULATION**  
(percent of total volume)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Money income – total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:									
income from entrepreneurial activities	8.4	15.4	11.4	8.9	9.4	8.6	8.4	7.9	7.8
labour remuneration <sup>1)</sup>	73.6	62.8	63.6	65.2	65.1	65.3	65.8	65.6	64.7
social transfers	14.3	13.8	12.7	17.7	18.4	18.6	18.0	18.3	19.2
property income	1.0	6.8	10.3	6.2	5.1	5.5	5.8	6.2	6.3
other income	2.7	1.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<b>Money expenditures and savings – total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:									
purchase of goods and payment for services	72.9	75.5	69.5	69.6	74.2	73.6	75.4	71.0	72.6
obligatory dues and various contributions	8.1	7.8	10.1	9.7	11.1	11.7	11.8	10.8	11.4
acquisition of real estate	0.1	1.2	2.6	3.4	4.2	3.9	4.5	2.9	3.0
surplus of financial assets	18.9	15.5	17.8	17.3	10.5	10.8	8.3	15.3	13.0
of which increase/decrease(-) of currency in hands	13.6	2.8	1.5	2.3	0.0	0.7	0.2	-0.4	0.8

<sup>1)</sup> Including hidden (not registered officially) wages and salary.


**7.7. ACCRUED AVERAGE MONTHLY NOMINAL WAGES OF  
EMPLOYEES OF ORGANIZATIONS BY ECONOMIC ACTIVITY <sup>1)</sup>**  
(roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Total in the economy</b>	<b>2223</b>	<b>8555</b>	<b>20952</b>	<b>26629</b>	<b>29792</b>	<b>32495</b>	<b>34030</b>	<b>36746</b>
Agriculture, hunting and forestry	985	3646	10668	14129	15724	17724	19721	21445
Fishing	2846	10234	23782	29201	32437	37062	46676	54449
Mining and quarrying	5940	19727	39895	50401	54161	58959	63695	69688
mining of energy producing minerals	6985	23456	46271	57210	61084	66780	71418	77479
mining except of energy producing minerals	4000	13176	28306	38267	41754	44441	48724	54022
Manufacturing	2365	8421	19078	24512	27045	29511	31910	34748
manufacture of food products, including beverages, and tobacco	2183	7304	17317	21105	23327	25081	26793	28705
manufacture of textiles and textile products	1215	3986	10302	12095	13489	14453	15758	17168
manufacture of leather, leather products and footwear	1348	4695	11346	13136	14725	16119	17796	20024
manufacture of wood and wood products	1739	5895	12720	15248	16950	18628	20365	22527

Continued table 7.7

	2000	2005	2010	2012	2013	2014	2015	2016
manufacture of pulp, paper and paper products; publishing and printing	2737	9419	20104	26312	28505	29222	30148	33645
manufacture of coke and refined petroleum products	4916	19397	41563	59195	64760	75517	81605	88199
manufacture of chemical products	2755	9928	22229	28901	32514	36218	39342	43519
manufacture of rubber and plastics products	2140	6879	15766	19758	21599	23270	25006	28057
manufacture of other non-metallic mineral products	2182	7922	18118	23180	25458	27335	28051	29232
manufacture of basic metals and fabricated metal products	3855	10261	21152	26564	28520	30437	33059	35777
manufacture of machinery and equipment	1975	8380	20103	25671	28231	30268	32246	35265
manufacture of electrical, electronic and optical equipment	2004	8219	20178	26354	29354	32779	36765	40207
manufacture of transport equipment	2454	9377	20766	27660	30724	33736	36139	39398
other manufacturing	2053	6387	13674	17146	18736	19711	21533	23031



## 7. LIVING STANDARDS OF POPULATION

Continued table 7.7

	2000	2005	2010	2012	2013	2014	2015	2016
Electricity, gas and water supply	3157	10637	24156	29437	32231	34808	36865	39607
Construction	2640	9043	21172	25951	27701	29354	29960	32188
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	1585	6552	18406	21634	23168	25601	26947	29555
Hotels and restaurants	1640	6033	13466	16631	18304	19759	20626	22102
Transport and communications	3220	11351	25590	31444	34576	37011	38982	41762
of which communication	2879	11389	24275	28701	31346	33705	34958	37745
Financial intermediation	5232	22464	50120	58999	63333	68565	70088	78311
Real estate, renting and business activities	2457	10237	25623	30926	33846	37559	39815	44040
Public administration and defence, compulsory social security	2712	10959	25121	35701	40449	42659	41916	43619
Education	1240	5430	14075	18995	23458	25862	26928	28094
Health and social work	1333	5906	15724	20641	24439	27068	28179	29845
Other community, social and personal service activities	1548	6291	16371	20985	24740	27876	30072	32294

<sup>1)</sup> For 2014 without account to data on the Crimean federal district.





**7.8. ACCRUED AVERAGE MONTHLY WAGES OF  
EMPLOYEES OF ORGANIZATIONS <sup>1)</sup>**

Years	Accrued average monthly wages (at prices of corresponding year)		Ratio of average monthly wages and other payments to subsistence minimum level of working age population, percent
	roubles	US dollars (based on annual average official US dollar exchange rate)	
2000	2223	79	172
2005	8555	303	268
2010	20952	690	347
2012	26629	857	383
2013	29792	936	384
2014	32495	856	379
2015	34030	561	331
2016	36746	549	348

<sup>1)</sup> For 2014 without account to data on the Crimean federal district.

**7.9. POPULATION BY PER CAPITA MONEY INCOME <sup>1)</sup>**  
(percent of total)

	2010	2012	2013	2014	2015	2016
<b>Total population</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which with average per capita monthly money income, roubles :						
under 7000,0	18.8	12.6	9.8	8.1	6.2	6.1
7000,1 – 10000,0	14.6	11.9	10.4	9.4	8.0	7.9
10000,1 – 14000,0	16.6	15.3	14.2	13.4	12.2	12.0
14000,1 – 19000,0	15.2	15.5	15.2	15.0	14.4	14.3
19000,1 – 27000,0	14.7	16.7	17.5	17.8	18.1	18.1
27000,1 – 45000,0	13.3	17.2	19.3	20.7	22.5	22.6
45000,1 – 60000,0	6.8	5.4	6.5	7.3	8.4	8.5
over 60000,0	...	5.4	7.1	8.3	10.2	10.5

<sup>1)</sup> Estimation is based on sample household budget survey and macroeconomic indicator of per capita money income of population.



**7.10. TOTAL VOLUME  
OF MONEY INCOME OF POPULATION <sup>1)</sup>**

	1992 <sup>2)</sup>	2000	2005	2010	2012	2013	2014	2015	2016
<b>Money income – total, percent</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by 20% groups of population:									
first (with least incomes)	6.0	5.9	5.4	5.2	5.2	5.2	5.2	5.3	5.3
second	11.6	10.4	10.1	9.8	9.8	9.8	9.9	10.0	10.0
third	17.6	15.1	15.1	14.8	14.9	14.9	14.9	15.0	15.0
fourth	26.5	21.9	22.7	22.5	22.5	22.5	22.6	22.6	22.6
fifth (with highest incomes)	38.3	46.7	46.7	47.7	47.6	47.6	47.4	47.1	47.1
Gini coefficient (index of income concentration)	0.289	0.395	0.409	0.421	0.420	0.419	0.416	0.413	0.414

<sup>1)</sup> Estimation is based on sample household budget survey and macroeconomic indicator of per capita money income of population.

<sup>2)</sup> Aggregate income (including the cost of net production of private household farms).

**7.11. SUBSISTENCE MINIMUM LEVEL <sup>1)</sup>**  
(average per capita; roubles per month)

	Total population	of which by social and demographic groups		
		population of working age	pensioners	children
<b>2000</b>	<b>1210</b>	<b>1320</b>	<b>909</b>	<b>1208</b>
Q. I	1138	1232	851	1161
Q. II	1185	1290	894	1182
Q. III	1234	1350	930	1218
Q. IV	1285	1406	962	1272
<b>2005</b>	<b>3018</b>	<b>3255</b>	<b>2418</b>	<b>2896</b>
Q. I	2910	3138	2332	2795
Q. II	3053	3290	2449	2937
Q. III	3047	3288	2440	2921
Q. IV	3060	3302	2450	2931



## 7. LIVING STANDARDS OF POPULATION

Continued table 7.11

	Total population	of which by social and demographic groups		
		population of working age	pensioners	children
<b>2010</b>	<b>5688</b>	<b>6138</b>	<b>4521</b>	<b>5489</b>
Q. I	5518	5956	4395	5312
Q. II	5625	6070	4475	5423
Q. III	5707	6159	4532	5510
Q. IV	5902	6367	4683	5709
<b>2012</b>	<b>6510</b>	<b>7049</b>	<b>5123</b>	<b>6259</b>
Q. I	6307	6827	4963	6070
Q. II	6385	6913	5020	6146
Q. III	6643	7191	5229	6387
Q. IV	6705	7263	5281	6432
<b>2013<sup>2)</sup></b>	<b>7306</b>	<b>7871</b>	<b>5998</b>	<b>7022</b>
Q. I	7095	7633	5828	6859
Q. II	7372	7941	6043	7104
Q. III	7429	8014	6097	7105
Q. IV	7326	7896	6023	7021
<b>2014</b>	<b>8050</b>	<b>8683</b>	<b>6617</b>	<b>7752</b>
Q. I	7688	8283	6308	7452
Q. II	8192	8834	6717	7920
Q. III	8086	8731	6656	7738
Q. IV	8234	8885	6785	7899
<b>2015</b>	<b>9701</b>	<b>10455</b>	<b>7965</b>	<b>9472</b>
Q. I	9662	10404	7916	9489
Q. II	10017	10792	8210	9806
Q. III	9673	10436	7951	9396
Q. IV	9452	10187	7781	9197
<b>2016</b>	<b>9828</b>	<b>10598</b>	<b>8081</b>	<b>9660</b>
Q. I	9776	10524	8025	9677
Q. II	9956	10722	8163	9861
Q. III	9889	10678	8136	9668
Q. IV	9691	10466	8000	9434

<sup>1)</sup> For I-IV quarters data is given according to the Federal Law №134-FZ of October 24, 1997 "On subsistence minimum in the Russian Federation" and stated by the Government of the Russian Federation; for the year – estimates are based on the data mentioned above. To estimate the subsistence minimum since 2005 composition of the consumer basket was reviewed.

<sup>2)</sup> On the basis of the Federal Law № 233-FZ from December 3, 2012 "On Amending the Federal Law" On the subsistence minimum in the Russian Federation" since 2013 the procedure for compiling the size of subsistence minimum has been changed.



### 7.12. COMPOSITION OF CONSUMER EXPENDITURES OF HOUSEHOLDS <sup>1)</sup>

(according to results of sample household budget survey;  
average per capita; roubles per month)

	2001	2005	2010	2013	2014	2015	2016
<b>Consumer expenditures – total</b>	<b>1659.9</b>	<b>4239.2</b>	<b>10121.5</b>	<b>13706.7</b>	<b>14629.6</b>	<b>14764.1</b>	<b>16054.6</b>
of which by objects of consumption:							
food products	760.6	1406.2	2999.2	3794.0	4171.2	4719.6	5194.5
alcoholic beverages and tobacco	59.1	114.7	247.7	356.6	407.5	436.1	494.0
apparel and footwear	226.1	452.9	1094.9	1306.5	1300.1	1352.0	1471.5
housing and communal service, fuel	118.5	480.7	1142.2	1435.1	1511.6	1641.7	1813.9
domestic articles, durables, housing support	101.7	305.6	626.9	923.3	915.9	811.8	946.2
health care	34.4	104.8	327.3	493.5	525.6	537.0	584.6
transport	127.5	516.3	1511.7	2426.5	2597.8	2126.1	2133.8
communication	22.9	155.3	384.2	463.4	492.8	483.5	523.6
recreation and culture arrangements	78.1	299.2	683.7	987.4	1042.1	987.8	1071.2
education	20.1	77.6	131.9	133.7	147.2	131.1	131.6
hotels and restaurants	42.8	124.5	340.7	501.7	523.0	516.3	555.0
other goods and services	68.1	201.4	631.1	884.9	994.8	1021.0	1134.8

<sup>1)</sup> According to the Classification of Individual Households Consumption by Purposes (COICOP).

### 7.13. STRUCTURE OF CONSUMER EXPENDITURES OF HOUSEHOLDS

(according to results of sample household budget survey; percent of total)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Consumer expenditures – total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:								
expenditures on purchase of foodstuffs for domestic consumption	47.6	33.2	29.6	28.1	27.7	28.4	32.0	32.4
out of them on purchase of:								
bread and bakery products	8.1	5.6	4.5	4.2	4.2	4.3	4.9	4.9
potatoes	0.9	0.5	0.5	0.3	0.4	0.4	0.4	0.4
vegetables and melons	2.5	2.0	2.1	1.8	1.8	2.0	2.2	2.2
fruit and berries	2.4	2.0	2.1	2.0	2.0	2.0	2.3	2.3



## 7. LIVING STANDARDS OF POPULATION

Continued table 7.13

	2000	2005	2010	2012	2013	2014	2015	2016
meat and meat products	13.1	10.1	8.8	8.6	8.2	8.5	9.3	9.2
fish and fish products	2.5	2.0	1.8	1.8	1.8	1.9	2.0	2.1
milk and dairy products	6.4	4.6	4.4	4.3	4.3	4.6	5.1	5.3
sugar and confectionery	5.9	2.3	2.1	1.9	1.8	1.7	2.1	2.2
eggs	1.2	0.6	0.4	0.4	0.4	0.4	0.5	0.5
vegetable oil and other fats	1.5	0.7	0.5	0.5	0.5	0.4	0.5	0.5
tea, coffee, soft drinks and other foodstuffs	3.1	2.8	2.4	2.3	2.3	2.2	2.6	2.8
expenditures on catering out of home	1.8	2.9	3.3	3.3	3.5	3.4	3.3	3.2
expenditures on alcoholic beverages	2.5	1.9	1.7	1.7	1.7	1.7	1.8	1.7
expenditures on purchase of non-food products	34.3	38.5	38.7	40.9	40.8	40.1	36.3	35.4
out of them on purchase of:								
apparel, footwear, underwear, fabrics	15.5	10.5	10.6	9.9	9.4	8.7	9.0	9.0
TV and radio sets, goods for recreation	3.2	5.2	3.5	3.4	3.3	3.3	2.8	2.6
transport means	2.8	6.7	8.1	10.4	10.2	10.4	6.7	5.3
domestic appliances, furniture	4.5	6.3	5.3	5.5	5.6	5.2	4.5	4.8
building materials	1.0	1.9	1.4	1.3	1.3	1.0	1.0	1.0
fuel	1.5	2.1	2.9	3.4	3.8	4.0	4.4	4.5
tobacco	1.2	0.8	0.8	0.9	0.9	1.1	1.2	1.3
hygiene articles, pharmaceuticals and medical goods, and other goods	3.9	3.9	4.5	4.5	4.8	4.7	5.0	5.2
other non-food goods	0.7	1.1	1.6	1.7	1.5	1.7	1.7	1.7
expenditures on market services	13.8	23.5	26.7	26.0	26.3	26.4	26.6	27.3
out of them on payments for:								
housing and public utilities	4.6	8.3	9.2	8.8	8.8	8.9	9.5	10.1



## 7. LIVING STANDARDS OF POPULATION

Continued table 7.13

	2000	2005	2010	2012	2013	2014	2015	2016
including:								
rent	1.2	1.4	1.2	1.5	1.4	1.5	1.6	1.6
electricity	0.8	1.0	1.2	1.2	1.3	1.3	1.4	1.4
gas	0.6	0.7	0.9	0.9	0.9	0.9	1.0	1.0
central heating	0.7	1.9	2.2	2.0	2.0	2.0	2.1	2.2
other utilities	1.3	3.3	3.7	3.3	3.2	3.2	3.4	3.9
everyday services	1.8	2.8	3.1	3.1	3.0	2.8	3.4	3.2
out of them								
on repair of:								
clothing and footwear	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
transport means	0.3	0.5	0.8	0.7	0.7	0.7	0.8	0.9
apartments, houses								
and other premises	0.5	1.0	0.6	0.7	0.4	0.4	0.7	0.2
services of cultural								
institutions		2.1	2.8	3.2	3.6	3.6	3.5	3.6
services of								
educational institutions		2.2	1.7	1.7	1.6	1.6	1.5	1.4
including in								
pre-school education		0.2	0.1	0.1	0.1	0.1	0.5	0.4
medical services		1.0	1.3	1.4	1.4	1.4	1.4	1.3
sanatorium and								
recovery institutions		0.4	0.5	0.4	0.4	0.4	0.4	0.5
legal services		0.1	0.1	0.1	0.1	0.0	0.0	0.1
passenger transport								
services		2.9	3.1	2.7	2.7	2.6	2.3	2.4
communication services		2.7	3.3	3.1	2.9	2.8	2.8	2.7
other services		1.0	1.6	1.6	1.9	2.3	1.9	2.0

**7.14. DURABLES IN HOUSEHOLDS**

(according to results of sample household budget survey;  
end of year; per 100 households; pieces)

	2000	2005	2010	2012	2013	2014	2015	2016
TV sets	124	138	164	174	178	184	197	193
Video-cameras <sup>1)</sup> , video								
tape-recorders	48	66	49	46	47	44	61	46
Personal computers	6	26	63	86	100	113	125	128
Mobile phones	...	104	228	244	250	257	256	246
Musical centers	12	34	39	38	39	38	35	31
Refrigerators, freezers	113	117	121	125	126	128	129	133
Washing machines	98	97	99	101	101	103	100	100
Vacuum cleaners	82	84	92	93	95	96	96	96
Microwave ovens	-	25	61	69	72	75	79	106
Dishwashers	-	1	3	5	7	8	9	10
Air conditioners	-	3	8	12	17	20	21	23
Passenger motor cars	27	33	48	54	57	61	60	58

<sup>1)</sup> Since 2015 including cameras.



## LIVING CONDITIONS OF POPULATION

7.15. HOUSING STOCK<sup>1)</sup>

(end of year; total dwelling floor space)

	1992	2000	2005	2010	2012	2013	2014	2015	2016 <sup>2)</sup>
Total housing stock:									
total, mln. sq. m.	2492	2787	2955	3231	3349	3359	3473	3581	3663
average per inhabitant, sq. m.	16.8	19.2	20.8	22.6	23.4	23.4	23.7	24.4	24.6

<sup>1)</sup> Due to the absence of a regulatory and legal act establishing the procedure for state accounting of housing stock in the Russian Federation, of which its state technical accounting (including technical inventory), official statistical information for 2013 - 2015 is compiled from data of local self-governing bodies for the not full range of accounting units.

<sup>2)</sup> Calculating data.

## 7.16. PRIVATIZATION OF THE HOUSING STOCK

	1992	2000	2005	2010	2013	2014	2015	2016	Since launching the privatization programme, as of January 1, 2017
Number of privatized dwellings, thou.	2631	922	1822	885	766	359	449	225	30756
Total floor space of the privatized dwellings, mln. sq. m.	132	42	89	41	35	16	21	10	1518



## 7.17. PROVISION OF DWELLINGS TO POPULATION

	1992	2000	2005	2010	2012	2013	2014	2015
Number of families (including singles), registered to need dwelling, end of year:								
thou.	9646	5419	3384	2821	2748	2683	2716	2612
percent of total number of families (including singles)	19	11	7	5	5	5	5	5
Number of families (including singles), that were presented dwellings and improved their living conditions during a year:								
thou.	948	253	151	244	186	153	138	135
percent of total number of families registered to need dwelling	10	4	4	9	7	6	5	5



## 7.18. RURAL INFRASTRUCTURE DEVELOPMENT

	1992	2000	2005	2010	2013	2014	2015	2016
Commissioning of infrastructure in rural areas:								
water network, km	2939.9	636.4	978.8	1522.0	1661.5	1750.4	1868.6	1088.7
gas network, thou. km	8.3	16.2	13.8	11.1	9.1	8.8	7.2	6.6
automatic phone switchboards, thou. lines	148.5	148.4	476.6	102.5	49.9	34.2	32.8	11.1
power transmission lines to supply rural territories with electricity with voltage, thou. km:								
0,4 kW	11.0	2.7	4.0	3.4	8.9	9.9	7.9	5.3
6-20 kW	16.1	3.0	3.3	2.9	5.9	7.4	4.2	2.9
hard surface motor roads, km:								
local roads of common usage	5942	5626	1790	1482	1995	1624	2047	1923
roads of non-common usage in agriculture	20140	327.3	74.4	13.7	33.1	22.8	27.5	70.4

7.19. NUMBER OF REGISTERED RIGHTS TO DWELLING ON THE BASIS OF CONTRACTS OF PURCHASE BY INDIVIDUALS AND LEGAL ENTITIES <sup>1)</sup>

	2005	2010	2014	2015	2016
Number of registered rights to dwelling under contracts of purchase, units	1831838	2442509	3609184	3203046	3286213
of which to population	1788135	2389367	3535123	3119535	3202656
Total floor space of accommodation under contracts of purchase, thou. sq. m	77056	70762	133728	126489	115428
of which to population	74497	67862	128892	120999	110192

<sup>1)</sup> Statistical observation has been performed since 2005.

## 8. EDUCATION

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This section of the handbook represents data on organizations carrying out educational activities on preschool programmes, supervision and child care; primary general, basic general and secondary general education programs; secondary professional education programs; professional educational programs - Bachelor's, Specialist's and Master's programs

Official statistical information on organizations carrying out educational activities on preschool programmes, supervision and child care is presented according to data from the Federal State Statistics Service (Rosstat). Minobrnauki of Russia is the source of data on the following topics: general educational organizations and professional educational organizations, with programs for skilled workers, office workers (starting from 2011); professional educational organizations carrying out programs for middle-level specialists and educational organizations of higher education (from 2013).

Preschool educational, general educational, vocational educational organizations, organizations of higher education, of additional educations for children, other legal entities (health care, social service, scientific, cultural organizations, etc. carrying out educational



activities on preschool programmes, supervision and child care in addition to their core activities) are classified as organizations carrying out educational activities on preschool programmes, supervision and child care.

Educatees (pupils, students) are persons mastering academic programme of preschool education, as well as persons who are subject only to supervision and care.

**General education** can be attained at general educational organizations, professional educational organizations, educational organizations of higher education, and other organizations. Other organizations include organizations that provide training under educational programs of primary general education, basic general education, secondary general education in addition to their core activities.

**Secondary professional education** by programs for skilled workers, office workers can be obtained in professional educational organizations and educational organizations of higher education, carrying out educational activity on educational programs for skilled workers. office workers; secondary professional education by training programs for middle-level specialists – in professional educational organizations and educational organizations of higher education, carrying out educational activity on educational programs for middle-level specialists. **Higher education** by Bachelor's, Specialist's and Master's degree programmes can be obtained in educational organizations of higher education; higher education in a form



of post-graduate training programs for high-skilled teaching and academic staff – in higher vocational educational organizations, additional vocational educational organizations and scientific organizations (see section 23 "Science and innovations").

Information on the number of educational organizations is presented without standalone separate structural divisions (branches).

Total number of students enrolled in Bachelor's, Specialist's and Master's programmes include foreign citizens studying in the Russian Federation under general conditions; for 2015, 2016 – those studying under general conditions as well as according to international agreements.



**8.1. ORGANIZATIONS CARRYING OUT EDUCATIONAL ACTIVITIES ON PRESCHOOL PROGRAMMES, SUPERVISION AND CHILD CARE <sup>1)</sup>**  
(end of year)

	2014	2015	2016
Number of organizations <sup>2)</sup> , thou.	51.0	50.1	49.4
Number of children at them, thou. persons	6813.6	7160.0	7342.9
Of the total number of organizations – preschool educational organizations, thou.	41.3	39.5	38.4
Number of children at them, thou. persons	6068.3	6347.9	6508.7
Number of children per 100 places at organizations carrying out educational activities on preschool programmes, supervision and child care, persons	106	106	105
Coverage of children by preschool education, percent	64.6	66.3	...

In 2016 there were 12898 short-time attendance groups in organizations carrying out educational activities on preschool programmes, supervision and child care, that attended 173.5 thou. children.

<sup>1)</sup> Data for 1993-2013 is published in statistical handbook «Russia in Figures, 2015».

<sup>2)</sup> Including organizations under capital repair and organizations, activities of which have been terminated.



### 8.2. ORGANIZATIONS CARRYING OUT TRAINING UNDER PRIMARY GENERAL, BASIC GENERAL AND SECONDARY GENERAL EDUCATION PROGRAMS

(beginning of academic year)

	2005	2010	2015	2016
Number of organizations carrying out training under primary general, basic general and secondary general education programs	63.2	50.8	43.4	41.8
Number of pupils in primary general, basic general and secondary general education programs – total, thou. persons	15630.9	1364.2	14770.4	15219.0
Number of pupils, who got certificate of general education <sup>1)</sup> – total, thou. persons	1944.1	1354.1	1198.3	1234.3
Number of pupils, who got certificate of general (complete) education <sup>1)</sup> – total, thou. persons	1466.0	789.3	647.8	635.2
Number of teachers at organizations carrying out training under primary general, basic general and secondary general education programs <sup>2)</sup> – total, thou. persons	1591.4	1079.0	1077.3	1074.1

<sup>1)</sup> For the relevant year.

<sup>2)</sup> From 2010 – excluding heads and second-job employees.

### 8.3. SHIFTS OF STUDIES IN ORGANIZATIONS CARRYING OUT TRAINING UNDER PRIMARY GENERAL, BASIC GENERAL AND SECONDARY GENERAL EDUCATION PROGRAMS <sup>1);2)</sup>

(beginning of academic year)

	2005	2010	2015	2016
Number of pupils: in first shift: mln. persons	12.5	11.2	12.4	12.8
percent of total number of pupils	85	87	87	87



Continued table 8.3

	2005	2010	2015	2016
in second and third shifts:				
mln. persons	2.2	1.7	1.9	1.9
percent of total				
number of pupils	15	13	13	13

<sup>1)</sup> For up to 2016 – data is given without account to certain general educational organizations and classes for pupils with limited health possibilities; specialized educational and fostering organizations for children and teenagers with deviant behavior (dangerous for the society); health improving educational organizations of sanatory type for pupils in need of continuous care; education organizations for children in need of psycho-pedagogical and medico-social assistance; less evening (shift-type) general educational organizations. Data for 2016 is presented for day-time classes excluding certain organizations and classes for pupils with limited health possibilities.

<sup>2)</sup> Information for 2005 and 2010 is given only by public and municipal general educational organizations.

#### 8.4. ORGANIZATIONS CARRYING OUT EDUCATIONAL ACTIVITIES UNDER SECONDARY PROFESSIONAL EDUCATION PROGRAMS (beginning of academic year)

	2005	2010	2015	2016
Number of professional educational organizations <sup>1)</sup> , units	6297	5206	3638	3552
Number of students in training programs for:				
skilled workers, office workers, thou. persons	1509	1007	686	563
mid-level specialists, thou. persons	2591	2126	2180	2305
Number of students, per 10000 population, in training programmes for:				
skilled workers, office workers, persons	106	70	47	38
mid-level specialists, persons	181	149	149	157
Number of students admitted to professional educational organizations under training programs for:				
skilled workers, office workers, thou. persons	688	609	396	224
mid-level specialists, thou. persons	854	705	699	727
Number of graduates <sup>2)</sup> , thou. persons:				
skilled workers, office workers	703	581	368	199
mid-level specialists	684	572	446	469



Continued table 8.4

	2005	2010	2015	2016
Number of graduates per 10000 employed:				
skilled workers, office workers, persons	105	86	51	27
mid-level specialists, persons	103	85	62	65
Number of teachers in professional educational organizations <sup>3)</sup> , thou. persons	151 <sup>4)</sup>	149	133	135

<sup>1)</sup> Including professional organizations carrying out training programs for skilled workers, office workers; professional organizations carrying out training programs for mid-level specialists.

<sup>2)</sup> For the relevant year.

<sup>3)</sup> Without second-job employees. Including teachers in professional educational organizations carrying out training programs for skilled workers, office workers and mid-level specialists.

<sup>4)</sup> Teachers in professional organizations carrying out training programs for mid-level specialists.

### 8.5. ORGANIZATIONS CARRYING OUT PROFESSIONAL EDUCATIONAL ACTIVITIES UNDER BACHELOR'S, SPECIALIST'S AND MASTER'S PROGRAMS

(beginning of academic year)

	1993	2000	2005	2010	2012	2013	2014	2015	2016
Number of educational organizations – total	626	965	1068	1115	1046	969	950	896	818
Number of students – total, thou. persons	2613	4741	7064	7050	6075	5647	5209	4766	4399
Number of students at educational organizations per 10000 population, persons	176	324	493	493	424	393	356	325	299
Number of females in total number of students, thou. persons	1347	2686	4114	4030	3356	3054	2813	2549	2358
Number of professors and teachers at educational organizations <sup>1)</sup> , thou. persons	243.6	307.4	387.3	356.8	342.0	319.3	299.7	279.7	261.0

<sup>1)</sup> Without second-job employees.





**8.6. ENROLLMENT IN BACHELOR'S, SPECIALIST'S AND MASTER'S  
PROGRAMS AND GRADUATION WITH  
BACHELOR'S, SPECIALIST'S AND MASTER'S DEGREE**

	1993	2000	2005	2010	2012	2013	2014	2015	2016
Number of admitted students – total, thou. persons	590	1292	1640	1399	1298	1247	1192	1222	1158
Number of graduates with Bachelor's, Specialist's and Master's degree – total, thou. persons	445	635	1151	1468	1397	1291	1226	1300	1161
Number of graduates with Bachelor's, Specialist's and Master's degree of educational organizations per 10 000 employed, persons	63	99	172	217	206	181	171	180	160



**8.7. FOREIGN STUDENTS ENROLMENT IN PROGRAMS OF HIGHER EDUCATION - BACHELOR'S, SPECIALIST'S AND MASTER'S PROGRAMS - IN PUBLIC AND MUNICIPAL EDUCATIONAL ORGANIZATIONS OF HIGHER EDUCATION OF THE RUSSIAN FEDERATION**

(beginning of academic year)

	2000		2005		2015		2016	
	Total	of which day-time schools	Total	of which day-time schools	Total	of which day-time schools	Total	of which day-time schools
Number of foreign students – total, persons	58992	40479	78139	60969	195551	145505	207356	162286
of them citizens of the CIS countries, the Baltic States, Abkhazia and South Ossetia admitted under general conditions <sup>1)</sup>	34510	19963	40636	25985	123955	77683	_2)	_2)
of which from countries:								
Azerbaijan	1248	494	1367	1019	9588	3381	9568	3830
Armenia	1097	598	1393	1006	2313	1226	2712	1686
Belarus	3368	893	5527	1947	8278	3365	7922	4051
Kazakhstan	16665	11724	17204	12632	46645	29952	52336	36328
Kyrgyzstan	1230	519	825	713	3811	3220	5658	5071
Republic of Moldova	1047	527	1443	852	2202	1478	3889	3174
Tajikistan	324	221	1172	845	9414	7827	14124	12276
Turkmenistan	540	383	1065	930	13143	10227	16831	13958
Uzbekistan	3221	1162	4099	2003	14040	8276	18018	12289
Ukraine	4953	2786	5473	3162	12290	7403	17074	11983
Share of foreign students in total number of students, percent	1.4	1.7	1.3	1.9	4.8	6.3	5.3	7.0

<sup>1)</sup> As of beginning of 2000, 2005 academic year – including Georgia.

<sup>2)</sup> Minobrnauka of Russia no longer develops this indicator starting from the report for 2016.



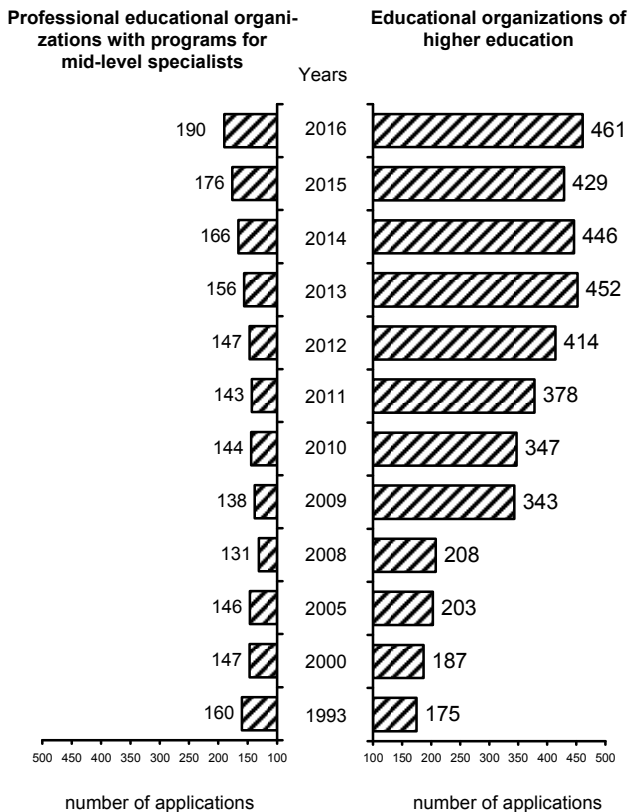
**8.8. FOREIGN STUDENTS ENROLMENT IN PROGRAMS OF HIGHER  
EDUCATION - BACHELOR'S, SPECIALIST'S AND MASTER'S  
PROGRAMS - IN PRIVATE EDUCATIONAL ORGANIZATIONS OF HIGHER  
EDUCATION OF THE RUSSIAN FEDERATION**  
(beginning of academic year)

	2015		2016	
	Total	of which day-time schools	Total	of which day-time schools
Number of foreign students – total, persons	46947	6935	37241	5686
of them citizens of the CIS countries, the Baltic States, Abkhazia and South Ossetia admitted under general conditions	45650	6416	_ <sup>1)</sup>	_ <sup>1)</sup>
of which from countries:				
Azerbaijan	3175	897	2386	711
Armenia	740	211	533	136
Belarus	6022	429	4492	414
Kazakhstan	18399	1050	15067	1020
Kyrgyzstan	944	164	969	146
Republic of Moldova	2128	402	1259	322
Tajikistan	2317	539	2300	633
Turkmenistan	2791	875	1535	392
Uzbekistan	4474	514	4208	459
Ukraine	3849	1041	3270	857
Share of foreign students in total number of students, percent	6.7	6.3	7.1	5.9

<sup>1)</sup> Minobrnauka of Russia no longer develops this indicator starting from the report for 2016.



**8.9. CONTEST FOR ADMITTANCE TO PUBLIC AND MUNICIPAL PROFESSIONAL EDUCATIONAL ORGANIZATIONS AND EDUCATIONAL ORGANIZATIONS OF HIGHER EDUCATION**  
(number of applicants per 100 places)



## 9. PUBLIC HEALTH

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The section contains data on the health network and personnel of the medical establishments, on population morbidity and disability rates.

**The total number of doctors and medium-level medical personnel** includes all persons with with the higher medical education and persons with with the secondary medical education respectively, engaged in the treatment and sanitary organizations, service for surveillance on consumer rights protection and human wellbeing, social security establishments, universities and research institutes' polyclinics, pre-school institutions, schools, orphanages and etc.

Subject to be recorded in the hospitals are the **beds** equipped with the required appliances.

**Medical organizations rendering out-patient services** include all the medical establishments which provide service for out-patients (polyclinics, out-patient clinics, dispensaries, out-patient departments of the hospitals and other).

Before 1999 International Classification of Diseases, Traumas and Causes of Death of the World Health Organization (WHO) (IX revision, WHO, 1975) was applied for statistical tabulation of data on the population morbidity rate, since 1999 - International Classification of Diseases and Problems connected with health (X revision, World Health Organization (WHO), 1989).

**Sanatoria and resort establishments** - medical and prophylactic establishments engaged in preventive treatment equipped with beds and restorative cure of patients on the basis of the heal-



ing capacity of natural health factors. This category covers sanatoria, prophylactic resorts, etc.

**Recreation organizations** – organizations intended for rest. They refer to rest homes, rest bases, campings, tourist bases and other. Tourist hotels, motels were also included before 1992.

Sanatoria and resort establishments and recreation organizations are located as a rule within the area of resorts with health care facilities, in suburban zones.



**9.1. BASIC INDICATORS OF PUBLIC HEALTH SERVICE**  
 (end of year)

	1992	2000	2005	2010	2012	2013	2014	2015
Number of doctors <sup>1)</sup> , persons:								
total, thou.	637	680	690	716	703	703	709	673
per 10 000 population	42.9	46.8	48.2	50.1	49.1	48.9	48.5	45.9
Number of medium-level medical personnel, persons:								
total, thou.	1709	1564	1530	1509	1520	1518	1525	1550
per 10 000 population	115	108	107	106	106	106	104	106
Number of hospitals, thou.	12.6	10.7	9.5	6.3	6.2	5.9	5.6	5.4
Number of hospital beds <sup>2)</sup> :								
total, thou.	1940	1672	1575	1339	1332	1302	1267	1222
per 10 000 population	131	115	110	94	93	91	87	83
Number of medical organizations rendering out-patient services, thou.	20.7	21.3	21.8	15.7	16.5	16.5	17.1	18.6
Capacity of medical organizations rendering out-patient services, number of patients' visits per a shift:								
total, thou.	3321	3534	3638	3685	3780	3799	3859	3861
per 10 000 population	224	243	254	258	264	265	264	264
Number of maternity consultation offices, children's polyclinics, out-patient departments (independent), number of medical establishments with maternity centers and children's sections <sup>3)</sup> , thou.	14.1	16.0	15.0	17.0	18.4	17.8	17.8	14.3
Number of beds for pregnant women and women after childbirth, thou.	113	91	82	80	77	75	72	69
Number of feldshers and obstetrical stations, thou.	46.8	44.6	43.1	37.8	34.8	34.8	35.0	34.3

<sup>1)</sup> 2012, 2015 – revision of the Minzdrav of Russia methodology.

<sup>2)</sup> From 2010 – beds in full-time hospitals (except beds in day-time hospitals).

<sup>3)</sup> From 2010 – number of maternity consultation offices, children's polyclinics, out-patient departments (independent and being part of other establishments).



**9.2. POPULATION MORBIDITY BY MAIN  
DISEASE CLASSES in 1992 - 1998**

 (patients, registered with the diagnosis  
proven for the first time)

	1992	1993	1994	1995	1996	1997	1998
	<b>Total, thou. persons</b>						
<b>All diseases</b>	<b>91296</b>	<b>96932</b>	<b>96000</b>	<b>100306</b>	<b>95013</b>	<b>98520</b>	<b>97710</b>
of which:							
infectious and parasitic diseases	5175	5719	6492	6983	6399	6157	6415
malignant neoplasm	882	910	954	974	1029	1020	1116
diseases of the endocrine system, digestion disorders, disorders of metabolism and immunity	617	672	770	817	908	979	1114
blood diseases and other hematogenic disturbances	282	326	363	402	420	441	462
diseases of nervous systems and organs of senses	7507	8042	8303	8589	8847	8830	9106
blood circulation disorders	1703	1752	1900	1960	2057	2101	2227
respiratory organs diseases	42966	45800	41622	43636	39058	43538	41092
digestive disorders	4620	4787	4879	5357	4978	4566	4748
urogenital diseases	3314	3571	3957	4276	4523	4611	4905
complications of pregnancy, puerperal and afternatal period	1263	1289	1394	1444	1541	1573	1669
skin infections and underskin fat	5299	5912	6700	7113	6773	6421	6298
osteomuscular and connecting tissue disorders	3793	3836	3960	3953	4120	4128	4236
congenital anomalies (defect of growth)	131	136	146	156	170	179	193
injuries and poisonings	12295	12652	12965	13008	12521	12294	12355





Continued table 9.2

	1992	1993	1994	1995	1996	1997	1998
	<b>Per 1000 population</b>						
<b>All diseases</b>	<b>614.6</b>	<b>652.9</b>	<b>646.9</b>	<b>676.0</b>	<b>646.5</b>	<b>671.4</b>	<b>666.9</b>
of which:							
infectious and parasitic diseases	34.8	38.5	43.7	47.1	43.5	42.0	43.8
malignant neoplasm	5.9	6.1	6.4	6.6	7.0	6.9	7.6
diseases of the endocrine system, digestion disorders, disorders of metabolism and immunity	4.2	4.5	5.2	5.5	6.2	6.7	7.6
blood diseases and other hematogenic disturbances	1.9	2.2	2.4	2.7	2.9	3.0	3.2
diseases of nervous systems and organs of senses	50.5	54.2	55.9	57.9	60.2	60.2	62.2
blood circulation disorders	11.5	11.8	12.8	13.2	14.0	14.3	15.2
respiratory organs diseases	289.3	308.5	280.5	294.1	265.8	296.7	280.5
digestive disorders	31.1	32.2	32.9	36.1	33.9	31.1	32.4
urogenital diseases	22.3	24.1	26.7	28.8	30.8	31.4	33.5
complications of pregnancy, puerperal and afternatal period <sup>1)</sup>	34.8	35.0	37.1	37.7	40.0	40.6	42.7
skin infections and underskin fat	35.7	39.8	45.1	47.9	46.1	43.8	43.0
osteomuscular and connecting tissue disorders	25.5	25.8	26.7	26.6	28.0	28.1	28.9
congenital anomalies (defect of growth)	0.9	0.9	1.0	1.1	1.2	1.2	1.3
injuries and poisonings	82.8	85.2	87.4	87.7	85.2	83.8	84.3

<sup>1)</sup> Per 1000 females aged 15-49.

**9.3. POPULATION MORBIDITY**  
**BY MAIN DISEASE CLASSES in 2000-2015**  
 (patients registered with the diagnosis  
 proven for the first time)

	2000	2005	2010	2013	2014	2015
	<b>Total, thou. persons</b>					
<b>All diseases</b>	<b>106328</b>	<b>105886</b>	<b>111428</b>	<b>114721</b>	<b>114989</b>	<b>113927</b>
of which:						
some infectious and parasitic diseases	6448	5312	4690	4434	4504	4116
malignant neoplasm	1226	1357	1540	1629	1693	1672
blood and blood forming diseases, disturbances involving immunity	551	647	705	668	688	692
diseases of the endocrine system, digestion disorders, metabolic disorders	1234	1361	1461	1527	1636	1953
diseases of nervous systems	2227	2178	2345	2364	2370	2257
diseases of eyes and adnexa	4638	4778	4715	5023	5067	4878
diseases of ears and mastoid	3191	3425	3867	4014	4050	3893
blood circulation disorders	2483	3278	3743	4285	4205	4563
respiratory organs diseases	46170	41915	46281	48568	48708	49464
digestive disorders	4698	5034	4778	5055	5342	5163
skin infections and underskin fat	6407	7073	6886	6740	6767	6437
osteomuscular and connecting tissue disorders	4452	4746	4789	4634	4647	4410
urogenital diseases	5470	6560	6842	7147	7164	6793



Continued table 9.3

	2000	2005	2010	2013	2014	2015
pregnancy, puerperal and afternatal period	2085	2471	2889	2778	2801	2618
congenital anomalies (defect of growth), deformations and chromosomal abnormalities	214	243	295	298	307	297
injuries and poisonings and other caused by external affects	12544	12808	13096	13285	13183	13235
	<b>Per 1000 population</b>					
<b>All diseases</b>	<b>730.5</b>	<b>743.7</b>	<b>780.0</b>	<b>799.4</b>	<b>787.1</b>	<b>778.2</b>
of which:						
some infectious and parasitic diseases	44.3	37.3	32.8	30.9	30.8	28.1
malignant neoplasm	8.4	9.5	10.8	11.4	11.6	11.4
blood and blood forming diseases, disturbances involving immunity	3.8	4.5	4.9	4.7	4.7	4.7
diseases of the endocrine system, digestion disorders, metabolic disorders	8.5	9.6	10.2	10.6	11.2	13.3
diseases of nervous systems	15.3	15.3	16.4	16.5	16.2	15.4
diseases of eyes and adnexa	31.9	33.6	33.0	35.0	34.7	33.3
diseases of ears and mastoid	21.9	24.1	27.1	28.0	27.7	26.6
blood circulation disorders	17.1	23.0	26.1	29.9	28.8	31.2



Continued table 9.3

	2000	2005	2010	2013	2014	2015
respiratory organs diseases	317.2	294.4	324.0	338.4	333.4	337.9
digestive disorders	32.3	35.4	33.4	35.2	36.6	35.3
skin infections and underskin fat	44.0	49.7	48.2	47.0	46.3	44.0
osteomuscular and connecting tissue disorders	30.6	33.3	33.5	32.3	31.8	30.1
urogenital diseases	37.6	46.1	47.9	49.8	49.0	46.4
pregnancy, puerperal and afternatal period <sup>1)</sup>	52.9	63.0	77.2	77.6	77.3	73.6
congenital anomalies (defect of growth), deformations and chromosomal abnormalities	1.5	1.7	2.1	2.1	2.1	2.0
injuries and poisonings and other caused by external affects	86.2	90.0	91.7	92.6	90.2	90.4

<sup>1)</sup> Per 1000 females aged 15-49.

#### 9.4. NUMBER OF PERSONS AGED 18 and over NEWLY ACKNOWLEDGED AS DISABLED

	1992 <sup>1)</sup>	2000	2005	2010	2012	2013	2014 <sup>2)</sup>	2015
Total <sup>3)</sup> , thou. persons	1113	1109	1799	893	805	754	729	695
Per 10 000 persons of the relevant age	74.9	98.5	156.9	76.6	69.1	64.8	62.7	59.0

<sup>1)</sup> Aged 16 and over.

<sup>2)</sup> Without account to data on the Crimean federal district.

<sup>3)</sup> Data source: Mintrud of Russia.



### 9.5. SANATORIA AND RESORT ESTABLISHMENTS AND RECREATION ORGANIZATIONS <sup>1)</sup>

	1992	2000	2005	2010	2012	2013	2014	2015
Number of sanatoria and resort establishments and recreation organizations	6931	4876	4457	3886	3853	3630	3776	3689
Number of beds in them, thou.	1084	754	761	674	666	635	689	680
Number of patients served, thou. persons	13348	8873	10281	9709	9514	9742	10016	10359

<sup>1)</sup> From 2010 – without micro businesses. For the full range of organizations and small businesses in 2015 there were 6178 sanatoria and resort establishments and recreation organizations with 840 thou. beds in them.



## 10. CULTURE, RECREATION AND TOURISM

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This section contains data related to the public libraries, theatres, museums, publishing and printing activities, club-type cultural organizations, zoos, circuses, resorts, sanatoria, health care organizations and also to the arrivals of foreign citizens in Russia and departures of Russian citizens from Russia by purpose of travel.

Data on libraries, theatres, museums, club-type cultural organizations, zoos and circuses were obtained from the Ministry of Culture of the Russian Federation, data on publishing and printing activities – the «Russian Book Chamber», FSUE ITAR-TASS, TASS.

**Public libraries** comprise libraries with scueral book stocks service and meet the public demands for literature. Enterprises and organizations, professional educational institutions and educational institutions of higher education, other organizations also have scientific, educational, technical and other specialized libraries. The recording and stock-taking of such libraries are carried out by regular censuses and surveys, the last of which was conducted in 1986.

**Clubs and related organizations** comprise clubs, «homes and palaces of culture», «homes» of creative professionals, scientists, young peoples, teachers, doctors, agronomists, tourists, musical culture, technical crafts; national cultural centers and other types of recreational organizations oriented at cultural interests of particular professional, ethnic, age and sex groups and other socio-demographic categories of population.

The data related to **theatres** do not contain data on folk amateur collectives.

**Hotels and similar facilities for accommodation** – organizations rendering premises for temporal residence and hotels, motels, pensions, hostels and other organizations of hotel type.



**Inbound tourism trip** (visit) – is a trip made by a foreign citizen (national) to the Russian Federation, over the reference period, for any main purpose (business, leisure or other personal purpose) other than to be employed by a resident entity (enterprise) registered in the Russian Federation. Trips of foreign service staff (crews) on public mode of transport, diplomats, national diplomats, consulate personnel, military personnel and their beneficiaries should not be included in the number of inbound tourism visits.

**Outbound tourism trip** (visit) - is a trip made by a Russian national to the foreign country , over the reference period, for any main purpose (business, leisure or other personal purpose) other than to be employed by a resident entity (enterprise) registered in the country visited, attend long-term training course in the country visited. Trips of Russian service staff (crews) on public mode of transport, diplomats, national diplomats, consulate personnel, military personnel and their beneficiaries should not be included in the number of outbound tourism visits.

**Travels** embrace the activity of persons who travel to another country which is not the country of their permanent residence, for a period not exceeding 6 months, with a purpose of taking rest, for business or other reasons.

**Coverage of population by TV and radio broadcasting** is compiled as the ratio of the number of citizens having possibilities to receive TV and radio programs to the total population size of the Russian Federation.



## 10.1. PUBLIC LIBRARIES

	1992	2000	2005	2010	2012	2013	2014	2015
Number of libraries – total, thou.	57.2	51.2	49.5	46.1	40.8	39.8	40.1	38.9
of which:								
in towns and settlements of urban type	16.1	12.4	11.3	10.3	9.7	9.5	9.5	8.9
in rural areas	41.1	38.8	38.2	35.8	31.1	30.3	30.6	30.0
Library stock - total, mln. copies	1063	1027	977	923	864	851	854	839
of which:								
in towns and settlements of urban type	648	659	624	599	583	577	572	563
in rural areas	415	368	353	324	281	274	282	276
Number of copies of library stock per 1000 population, copies	7161	7017	6820	6459	6027	5923	5837	5727
of which:								
in towns and settlements of urban type	5928	6138	5951	5677	5491	5415	5278	5183
in rural areas	10603	9306	9193	8660	7554	7382	7429	7285



## 10.2. THEATRES

	1992	2000	2005	2010	2012	2013	2014	2015
Number of professional theatres - total	421	547	588	604	643	658	661	665
of which:								
theatres of opera and ballet	31	65	72	74	76	75	78	77
theatres of drama, comedy and musical theatres	260	318	335	344	369	377	376	376
children's theatres and theatres for young spectators	130	151	165	170	180	184	183	185
others	-	13	16	16	18	22	24	27
Theatre attendance, mln. persons	44.2	30.8	28.0	31.0	33.9	35.8	37.2	38.2

## 10.3. MUSEUMS

	2000	2005	2010	2012	2013	2014	2015
Number of museums - total	2047	2285	2578	2687	2727	2731	2758
of which:							
art	301	316	320	358	352	345	346
historical and archeological	465	492	522	509	516	522	525
regional studies	908	1085	1332	1365	1403	1410	1421
natural sciences	38	39	39	47	48	49	49
scientific and technical	10	13	21	22	22	23	24
complex	155	179	190	223	225	224	231
branch, specialized and other	170	161	154	163	161	158	162
Number of visits to museums, mln.	73.2	75.6	81.0	90.1	95.8	102.7	119.0



**10.4. NUMBER OF CLUBS AND RELATED ORGANIZATIONS**  
 (thousand)

	1992	2000	2005	2010	2012	2013	2014	2015
Total	66.0	54.8	51.4	46.6	43.7	42.4	42.1	40.3
of which:								
in towns and settlements of urban type	7.7	6.7	6.2	5.5	5.2	5.1	5.2	4.9
in rural areas	58.3	48.1	45.2	41.1	38.5	37.2	36.9	35.4

**10.5. ZOOS**

	2000	2005	2010	2012	2013	2014	2015	2016
Number of zoos	20	23	29	29	30	30	31	31
Surface area of zoos, ha	298	327	673	556	640	640	634	569
Number of animals - total, species	39849	50190	66043	65240	66284	68966	69633	75168
of which:								
invertebrates	5131	8306	12169	13599	15084	16688	17034	22896
fish	13815	15521	17990	20414	20391	19099	19971	20299
amphibians	570	673	1381	1380	995	1047	877	822
reptiles	3718	5025	4381	3884	3594	3591	3578	3615
birds	8930	10124	14421	11705	11815	11854	12505	12006
mammals	7685	9691	14860	12058	12664	14058	13022	12737
Number of visits, mln.	6.4	7.4	9.5	7.6	7.6	8.3	8.7	8.8

**10.6. CIRCUSES**

	2000	2005	2010	2012	2013	2014	2015
Number of circuses	63	66	67	67	67	63	67
Number of spectators <sup>1)</sup> , mln. persons	8.1	6.4	11.0	10.8	5.6	5.1	4.2

<sup>1)</sup> Since 2010 – with account to touring activity.


**10.7. NUMBER OF ISSUED BOOKS, BOOKLETS,  
MAGAZINES AND NEWSPAPERS**

	1992	2005	2010	2012	2013	2014	2015
<b>Books and booklets</b>							
Number of books and booklets (printed units) - total, thou.	28.7	95.5	121.7	116.9	120.5	112.1	112.6
of which those in Russian	26.9	93.1	118.4	113.5	117.2	108.5	109.2
Circulation - total, mln. copies	1313	669	654	540	542	485	459
of which those in Russian	1248	660	642	531	533	476	450
Printed sheets-reprint, bln.	19.7	8.8	7.9	6.2	6.4	5.3	4.9
Number of books issued per 1000 population, copies	8839	4664	4577	3774	3775	3323	3138
<b>Magazines and other periodicals</b> (of which collected works and periodic bulletins)							
Number of magazines and other periodicals - total	2664	4874	7049	8051	8598	8846	8847
of which those in Russian	2511	4672	6742	7726	8232	8423	8345
Annual circulation - total, mln. copies	925	1150	1848	1838	1905	1736	1498
of which those in Russian	901	1141	1834	1828	1896	1727	1489
Number of magazines issued per 1000 population, copies	6227	8010	12937	12832	13276	11883	10232
<b>Newspapers</b>							
Number of newspapers (editions) - total	4837	7535	9659	10681	11109	11061	10504
of which those in Russian	4523	7166	9166	10162	10551	10503	9952
Single circulation - total, mln. copies	144	177	215	238	259	247	203
of which those in Russian	142	175	213	236	257	244	200
Annual circulation - total, bln. copies	18.3	7.3	9.5	9.3	9.5	9.4	7.6
of which those in Russian	18.0	7.2	9.4	9.2	9.4	9.2	7.5
Number of newspapers per 1000 population (single circulation), copies	970	1234	1446	1664	1804	1692	1386



**10.8. COVERAGE OF THE POPULATION BY  
TELEVISION AND RADIO BROADCASTING in 2015 <sup>1)</sup>**  
(end of year; percent of total size of reference population)

	Urban population	Rural population
<b>Possible to receive analog terrestrial television broadcasting:</b>		
one TV programme	98.2	95.8
nationwide mandatory public TV-channels:		
Rossiya-1 Channel	95.4	84.6
Russiya-K Channel	64.9	26.9
Russiya 24 Channel	38.2	9.7
Channel One Russia	97.7	92.7
NTV Channel	77.7	34.5
Petersburg – channel 5	73.3	31.5
Channel for children and youth - Carousel	2.3	1.0
Russiya 2 Channel	52.6	18.5
Channel «Public Television of Russia»	0.9	-
TV Center	53.5	20.7
<b>Possible to receive:</b>		
one radio broadcasting	91.3	82.8
three nationwide mandatory public radio broad- castings:		
Radio of Russia	89.5	75.4
Mayak	65.1	28.0
Vesti FM	44.0	10.6

<sup>1)</sup> Data source: Minkomsvyaz' of Russia.

**10.9. CHILDREN SANITARY CAMPS**

	1992	2000	2005	2010	2013	2014	2015	2016
Number of children sanitary camps - total, thou.	33.5	49.2	52.8	50.2	46.9	46.2	45.2	44.5
of which:								
in country-side stationary	3.8	3.3	2.9	2.2	2.3	2.2	2.2	2.2
day-time	19.4	32.9	37.1	37.8	38.7	38.0	37.0	36.3
Number of children who rested there during summer – total, thou. persons	4357.0	6170.6	5666.8	4893.9	4864.8	4829.4	4661.2	4787.1
of which camps:								
in country-side	1903.3	2185.0	1708.9	1253.4	1324.9	1301.5	1318.9	1454.0
day-time	1374.9	2772.0	2900.6	2783.5	2825.7	2772.5	2682.6	2661.9

**10.10. HOTELS AND SIMILAR FACILITIES FOR ACCOMMODATION**  
(end of year)

	1993	2000	2005	2010	2012	2013	2014	2015
Total	6258	4182	4812	7866	9316	9869	10714	13958



**10.11. NUMBER OF INBOUND TOURISM TRIPS  
OF FOREIGN CITIZENS TO RUSSIA**  
(thousand)

	2014	2015	2016		2014	2015	2016
<b>Total</b>	25438	26852	24571	<b>Asia</b>			
of which				Abkhazia	357	417	411
from country:				Azerbaijan	818	856	898
<b>Europe</b>				Armenia	601	552	596
Austria	60	51	49	Vietnam	49	30	36
Belarus	319	249	134	Hong Kong	10	12	13
Belgium	34	31	35	Georgia	43	47	65
Bulgaria	27	24	27	Israel	150	162	179
Bosnia & Herzegovina	8	7	6	India	49	51	59
Hungary	22	20	21	Indonesia	6	7	8
Germany	584	553	566	Islamic Republic of Iran	26	41	70
Greece	26	25	27	Kazakhstan	3733	4711	3564
Denmark	30	23	19	Kyrgyzstan	339	374	398
Ireland	12	11	11	China	874	1122	1289
Spain	91	104	109	Mongolia	158	378	522
Italy	207	191	192	Republic of Korea	114	136	161
Latvia	295	278	289	Syrian Arab Republic	6	6	4
Lithuania	425	237	249	Tadzhikistan	482	458	410
Netherlands	70	55	57	Thailand	17	25	28
Norway	55	48	45	Turkey	263	239	43
Poland	1772	1725	1017	Uzbekistan	874	797	597
Portugal	11	13	15	Philippines	7	6	7
Republic of Moldova	618	491	409	Japan	98	86	85
Romania	17	16	15	<b>Africa</b>			
Serbia	67	58	50	Algeria	3	4	4
Slovakia	21	18	21	Egypt	11	15	11
Slovenia	11	10	9	Morocco	4	3	4
United Kingdom	215	180	177	Tunisia	3	3	4
Ukraine	8436	8912	8569	South-African Republic	8	8	7
Finland	1380	1416	1319	<b>America</b>			
France	199	171	177	Argentina	13	17	19
Croatia	11	9	9	Brazil	31	34	27
Montenegro	4	4	4	Canada	51	42	40
Czech Republic	51	40	40	Columbia	9	10	10
Switzerland	45	42	48	Cuba	11	12	26
Sweden	44	37	36	Mexico	17	22	20
Estonia	331	357	414	USA	245	233	239
<b>Australia and Oceania</b>							
Australia	44	38	42				
New Zealand	7	6	7				



**10.12. NUMBER OF OUTBOUND TOURISM TRIPS  
OF RUSSIAN CITIZENS TO ABROAD**  
(thousand)

	2014	2015	2016		2014	2015	2016
<b>Total</b>	42921	34390	31659	<b>Asia</b>			
of which to country:				Abkhazia	3282	3824	4257
<b>Europe</b>				Azerbaijan	734	584	627
Austria	333	223	183	Armenia	316	266	288
Belgium	69	73	71	Vietnam	352	321	392
Bulgaria	559	413	535	Hong Kong	61	34	22
Hungary	118	95	95	Georgia	532	651	742
Germany	1435	1111	1057	Israel	361	299	303
Greece	1165	634	782	India	205	118	169
Denmark	66	45	35	Kazakhstan	3330	3125	2850
Spain	1140	693	790	Qatar	51	53	66
Italy	994	662	710	Cyprus	670	550	813
Latvia	404	312	339	Kyrgyzstan	260	250	240
Lithuania	798	743	693	China	1731	1284	1676
Malta	22	12	6	Maldives	43	19	23
Netherlands	179	175	177	Mongolia	57	57	72
Norway	156	112	103	United Arab Emirates	737	472	499
Poland	1608	1322	1104	Republic of Korea	198	166	199
Portugal	38	24	25	Singapore	24	20	29
Republic of Moldova	159	224	200	Tadjikistan	128	98	110
Romania	11	13	12	Thailand	1250	675	867
Serbia	79	73	73	Turkey	4216	3460	797
Slovakia	5	3	29	Uzbekistan	97	98	98
Slovenia	23	16	16	Japan	58	46	47
United Kingdom	318	247	215	<b>Africa</b>			
Ukraine	2558	1657	1804	Egypt	2880	2244	0.3
Finland	4283	3067	2894	Morocco	22	8	33
France	521	408	393	Tunisia	260	49	624
Croatia	82	49	56	<b>America</b>			
Montenegro	263	252	283	Dominican Republic	163	36	132
Czech Republic	513	361	367	Canada	16	8	-
Switzerland	286	234	229	Cuba	54	32	45
Sweden	79	55	41	Mexico	62	32	4
Estonia	1775	1477	1511	USA	310	237	225



## 11. PUBLIC ASSOCIATIONS AND RELIGIOUS ORGANIZATIONS

The section presents data on non-commercial, public and religious organizations registered by the Ministry of Justice of the Russian Federation.

### 11.1. NUMBER OF PUBLIC ASSOCIATIONS, POLITICAL PARTIES AND NON-COMMERCIAL ORGANIZATIONS REGISTERED IN THE RUSSIAN FEDERATION as of end of 2016

	Total registered	including registered in 2016
Public associations - total	98603	5071
including:		
public organizations	56252	4087
among them charitable	1610	67
social movements	1523	104
among them charitable	11	1
public funds	3993	30
among them charitable	1682	5
social services	759	14
among them charitable	4	-
amateur public bodies	183	-
other public associations	35893	836
among them:		
trade unions	24347	273
ethnic-cultural autonomies	1216	103
Political parties	77	3
Non-commercial organizations - total	91285	8917
including charitable funds	7952	1038
Branches and representations of foreign non-commercial non-governmental organizations	135	2





**11.2. AVERAGE NUMBER  
AND ACCRUED AVERAGE MONTHLY WAGES  
OF PUBLIC ASSOCIATIONS' EMPLOYEES**

Years	Average number of payroll workers, thou. persons	Accrued average monthly wages, roubles
2010	82.5	20536
2012	81.3	26592
2013	80.4	28884
2014	83.8	30843
2015	87.2	32365
2016	85.4	36119

**11.3. NUMBER OF NON-COMMERCIAL ORGANIZATIONS BY TYPES**  
(end of year)

	2012	2013	2014	2015	2016
Non-commercial organizations – total	87028	89617	90155	90464	91285
among them:					
funds	15916	16425	16637	17395	18126
non-commercial partnerships	23011	23170	22158	20004	17441
autonomous non-commercial organizations	17055	18152	19008	20658	22231
associations of legal entities (associations, unions)	4948	4871	5067	6703	8205
institutions	16559	17071	16900	16519	15951
territorial public self-government bodies	2056	2119	2218	905	840
bar associations	2347	2402	2490	2542	2648
communities of minority peoples	1196	1261	1288	1348	1413
Cossack societies	1981	2201	2410	2577	2653



**11.4. NUMBER OF RELIGIOUS ORGANIZATIONS  
REGISTERED IN THE RUSSIAN FEDERATION  
as of end of 2016<sup>1)</sup>**

	Total registered	including by types				
		centralized religious organizations	local religious organizations	spiritual educational organizations	cloisters	other religious organizations
<b>All religious organizations</b>	<b>29840</b>	<b>575</b>	<b>28108</b>	<b>170</b>	<b>483</b>	<b>504</b>
including						
by confessions:						
Russian Orthodox Church	17687	189	16497	57	469	475
Russian Orthodox autonomous Church	27	3	21	-	3	-
Russian Orthodox Church Outside of Russia	10	-	9	-	1	-
True-Orthodox Church	34	3	28	-	3	-
Russian Orthodox Free Church	5	-	5	-	-	-
Ukrainian Orthodox Church (Kiev Patriarchate)	9	1	8	-	-	-
Old-Believers	367	8	348	1	7	3
including:						
Russian Orthodox Old-Believer Church	192	1	188	-	1	2
Ancient - Orthodox Church	108	3	98	1	5	1
Pomor Church	47	2	45	-	-	-
Fedoseev Consent	11	2	8	-	1	-
Other Consents	9	-	9	-	-	-
Roman-Catholic Church	234	9	215	1	-	9
Greek-Catholic Church	7	-	7	-	-	-
Armenian Apostolic Church	100	2	98	-	-	-
Islam	5513	83	5344	81	-	5
Buddhism	259	12	245	2	-	-
Judaism	273	9	261	1	-	2
including:						
Orthodox	224	8	213	1	-	2
Modern	49	1	48	-	-	-
Evangelical Christians – Baptists	880	51	822	6	-	1



## 11. PUBLIC ASSOCIATIONS AND RELIGIOUS ORGANIZATIONS

Continued table 11.4

	Total registered	including by types				
		centralized religious organizations	local religious organizations	spiritual educational organizations	cloisters	other religious organizations
Christians of Evangelical faith	618	46	565	7	-	-
Evangelical Christians	727	34	689	2	-	2
Evangelical Christians the apostles' spirit	22	1	21	-	-	-
Christians of evangelical faith – Pentecostals	1151	54	1092	3	-	2
Churches of full gospel	26	2	24	-	-	-
Evangelical Christians - temperance	4	-	4	-	-	-
Seventh-Day Adventists	572	19	552	1	-	-
Lutherans	227	12	212	3	-	-
including:						
Evangelical – Lutheran Church	169	10	157	2	-	-
United Evangelical - Lutheran Church of Russia	4	-	4	-	-	-
Church of Ingrii	46	1	44	1	-	-
Other Evangelical – Lutheran Churches	8	1	7	-	-	-
New Apostolic Church	48	4	44	-	-	-
Methodist Church	94	2	90	1	-	1
Reformed Church	4	-	4	-	-	-
Presbyterian Church	187	7	176	3	-	1
Anglican Church	1	-	1	-	-	-
Jehovah's Witnesses	398	1	397	-	-	-
Menonite	7	1	6	-	-	-
Salvation Army	13	1	12	-	-	-
Church of Jesus Christ of Latter-Day Saints (Mormons)	58	1	57	-	-	-
Unification Church (Muna)	6	1	5	-	-	-
Church of the Mother of God "Derzhavnaya"	19	1	18	-	-	-



## 11. PUBLIC ASSOCIATIONS AND RELIGIOUS ORGANIZATIONS

Continued table 11.4

	Total registered	including by types				
		centralized religious organizations	local religious organizations	spiritual educational organizations	cloisters	other religious organizations
Molokans	19	1	18	-	-	-
Church of the Last Precept	2	-	2	-	-	-
Church of Christ	18	1	17	-	-	-
Judaising Christians	2	-	2	-	-	-
Non-denominated Christian Churches	15	7	6	1	-	1
Church of Scientology	1	-	1	-	-	-
Hinduism	4	-	4	-	-	-
Krishna Consciousness (Vaishnavy)	83	2	81	-	-	-
Baha'i Faith	16	1	15	-	-	-
Assyrian Church	6	1	5	-	-	-
Sikhs	1	-	1	-	-	-
Shamanism	27	-	27	-	-	-
Karaim	7	1	6	-	-	-
Zoroastrianism	1	-	1	-	-	-
Spiritual Unity (Tolstoians)	1	-	1	-	-	-
Paganism	11	1	10	-	-	-
Other confessions	39	3	34	-	-	2

<sup>1)</sup> Religious organizations are placed in the order they received upon registration.



**11.5. POPULATION INVOLVED IN ACTIVITIES OF PUBLIC, VOLUNTARY AND CHARITY ORGANIZATIONS (MOVEMENTS) in 2016**

(results of the Comprehensive monitoring of living conditions; percent)

	All respondents	including those living in		Of the total number of respondents		
		urban settlements	rural settlements	of working age	of them youth aged 16-29	over working age
Persons aged 15 and older – total	100	100	100	100	100	100
of them members of any public, voluntary or charity organizations (movements)	4.8	4.4	5.0	5.3	3.5	3.7
Persons aged 15 and older, members of any public, voluntary or charity organizations (movements) – total	100	100	100	100	100	100
of them involved in activities of:						
public organizations, movements	7.9	7.4	9.5	6.7	7.9	12.2



## 11. PUBLIC ASSOCIATIONS AND RELIGIOUS ORGANIZATIONS

Continued table 11.5

	All respondents	including those living in		Of the total number of respondents		
		urban settlements	rural settlements	of working age	of them youth aged 16-29	over working age
various event planning councils and organizing committees	4.7	4.1	6.2	4.3	7.5	5.9
veterans councils	7.1	7.5	6.0	1.2	0.6	27.6
councils, voluntary association for family, children and youth	2.3	1.9	3.5	2.5	4.3	1.8
animal protection movements	2.0	2.5	0.4	2.3	6.4	0.7
religious communities	3.5	3.6	3.4	2.3	1.4	7.8
other public, voluntary or charity organization	7.0	7.0	7.0	5.9	10.1	10.5



## 12. OFFENCES

The section contains data on crimes and convictions including most hazardous and widely spread crimes. Information is published on persons exposed as criminals or offenders. The number and composition by age group, the distribution of convicts by main types of penalties are presented.

Information is submitted by the data from the Prosecutor General's Office of the Russian Federation, the Investigative Committee of the Russian Federation, the Ministry of Internal Affairs of the Russian Federation, the Ministry of the Russian Federation for Civil Defense, Emergencies and Elimination of Consequences of Natural Disasters, the Federal Penal Service, the Federal Bailiffs' Service, Federal Security Service, the Federal Customs Service, the Judicial Department at the Supreme Court of the Russian Federation.

**Recorded crime** is a detected and officially recorded dangerous for the society action stipulated by the criminal legislation. Registration of crimes and offenders is carried out by all the law enforcement bodies, authorized to criminal prosecution within their competence.

**The number of convicted persons** includes persons for whom the sentences have been adjudicated by courts and put into legal force.

### 12.1. RECORDED CRIMES

(thousand)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Crimes recorded - total</b>	<b>2761</b>	<b>2952</b>	<b>3555</b>	<b>2629</b>	<b>2302</b>	<b>2206</b>	<b>2191</b>	<b>2388</b>	<b>2160</b>
of which:									
murder and attempted murder	23.0	31.8	30.8	15.6	13.3	12.4	11.9	11.5	10.4
intended infliction of heavy harm to health	53.9	49.8	57.9	39.7	37.1	34.8	32.9	30.2	27.4
rape and attempted rape	13.7	7.9	9.2	4.9	4.5	4.2	4.2	3.9	3.9
robbery	30.4	39.4	63.7	24.5	18.6	16.4	14.3	13.6	11.4
burglary	165	132	344	165	110	92.1	77.7	72.7	61.5
theft	1651	1310	1573	1108	992	923	909	1018	871
terrorist attack <sup>1)</sup> , number	...	135	203	31	24	31	33	8	25



## 12. OFFENCES

Continued table 12.1

	1992	2000	2005	2010	2012	2013	2014	2015	2016
drug abuse	29.8	244	175	223	219	231	255	237	201
violations of traffic regulations and rules for driving road vehicles	90.1	52.7	26.6	26.3	29.4	28.2	28.4	26.7	22.0
of which resulting in lethal consequences of two or more persons	17.5	15.4	15.7	10.3	11.6	10.9	10.6	9.5	7.9

<sup>1)</sup> Before 2010 – terrorism.

### 12.2. CRIMINAL OFFENDERS BY SEX, AGE AND OCCUPATION (thou. persons)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Number of criminal offenders exposed</b>	<b>1149</b>	<b>1741</b>	<b>1297</b>	<b>1111</b>	<b>1011</b>	<b>1013</b>	<b>1006</b>	<b>1075</b>	<b>1016</b>
of which:									
by sex:									
male	1018	1457	1119	939	857	856	848	903	868
female	131	284	178	172	154	156	158	172	148
by age at the time of criminal action, years:									
14-15	59.3	49.3	44.6	21.5	18.5	19.7	17.1	17.2	15.6
16-17	129	129	105	51.2	41.0	41.0	37.3	38.8	33.0
18-24	252	465	365	278	234	222	208	204	182
25-29	186	289	224	209	192	192	190	202	193
30-49 <sup>1)</sup>	523	676	454	448	432	441	455	504	483
50 and over	...	133	106	103	93.9	97.3	99.2	110	109
by occupation at the time of criminal action:									
employees <sup>2)</sup>	546	451	262	200	190	198	201	208	201
agricultural workers <sup>3)</sup>	55.1	30.4	9.6	4.3	3.2	3.1	2.7	3.1	3.1
office employees	60.5	64.8	57.7	45.4	33.8	34.5	32.3	33.0	30.2





Continued table 12.2

	1992	2000	2005	2010	2012	2013	2014	2015	2016
pupils and students <sup>4)</sup>	104	101	87.1	72.0	59.2	60.9	54.9	56.0	50.0
persons without any permanent source of income <sup>5)</sup>	294	954	782	730	675	665	663	717	665
unemployed	...	91.4	82.0	54.3	45.4	38.1	35.0	22.0	6.1

<sup>1)</sup> For 1992 – 30 years old and over.

<sup>2)</sup> Before 2010 – workers.

<sup>3)</sup> For 1992 – workers of collective farms.

<sup>4)</sup> Before 2010 – pupils.

<sup>5)</sup> Before 2016 – including unemployed.

### 12.3. CONVICTS BY MAIN TYPES OF PENALTIES ADJUDICATED BY COURTS (percent of total)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Convicts - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by penalties:									
imprisonment	34.2	29.9	34.9	31.5	27.9	28.5	29.1	28.8	27.8
corrective work	18.3	4.3	4.9	4.9	9.5	10.3	10.4	8.3	7.0
without imprisonment									
suspend sentence to imprisonment and other penalties	11.2	45.9	48.4	38.1	32.8	30.3	30.4	25.4	26.8
fine	9.5	5.3	10.3	14.6	15.3	15.8	15.5	11.8	13.5
other penalties	6.5	14.6	1.5	10.9	14.4	15.0	14.5	13.0	24.8

### 12.4. OFFENDERS CONVICTED BY ADJUDICATED SENTENCES PUT INTO LEGAL FORCE BY TYPES OF SELECTED OFFENCES (thou. persons)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Convicts - total</b>	<b>661</b>	<b>1184</b>	<b>879</b>	<b>845</b>	<b>739</b>	<b>736</b>	<b>719</b>	<b>734</b>	<b>740</b>
of which for offences:									
homicide	12.4	19.4	20.3	12.4	9.5	9.3	9.2	9.1	8.9
intended infliction of heavy harm to health	23.1	35.0	43.0	33.8	30.9	30.2	28.8	26.9	25.2
rape	11.5	6.4	6.6	4.0	3.1	2.9	2.9	2.7	2.5



## 12. OFFENCES

Continued table 12.4

	1992	2000	2005	2010	2012	2013	2014	2015	2016
robbery	11.0	27.5	28.0	17.5	13.0	12.0	11.3	10.6	9.9
burglary	41.2	64.7	82.4	61.6	45.5	40.5	35.8	33.3	31.5
theft	275	599	316	253	224	214	199	210	199
illegal actions with narcotics and drugs	10.4	99.1	61.2	105	106	109	114	115	104
violations of traffic regulations and rules for driving road vehicles, resulting in lethal consequences of two and more persons	13.4	4.5	6.2	5.6	6.4	6.6	6.7	4.8	4.5

## 12.5. CONVICTS

(percent)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Convicts - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which at the age of, years:									
14-17	13.8	12.6	11.3	5.5	4.4	4.0	3.3	3.1	3.2
18-24	23.6	31.3	29.5	27.0	24.7	23.5	22.1	20.7	19.0
25-29	17.7	16.3	17.9	19.5	19.6	19.7	19.9	19.9	20.2
30-49	39.5	34.9	35.1	40.5	43.8	44.9	46.6	48.4	48.7
50 and over	5.4	4.9	6.2	7.5	7.5	7.9	8.1	7.9	8.8
Out of the total number of convicts:									
females	7.2	13.0	13.2	15.2	14.9	14.9	14.4	14.0	13.3
previously prosecuted <sup>1)</sup>	38.8	35.0	40.8	42.9	46.2	45.4	44.2	43.8	42.2
employable persons with- out fixed occu- pation	26.1	50.1	57.2	60.3	61.8	62.0	63.0	64.0	63.3

<sup>1)</sup> Including persons with liquidated and non-liquidated convictions as well as those not convicted legally but having liquidated and non-liquidated convictions.



## 13. PRODUCTION AND USE OF GROSS DOMESTIC PRODUCT

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The major indicators of the System of National Accounts of Russia for 2000-2016 are published in this section.

The System of National Accounts (SNA) is a system of interrelated indicators applied for description and analysis of macroeconomic processes in more than 150 countries of the world with market economy.

Data on GDP presented in this handbook for 2010-2015 differs from previously published. Adjustments are related to information received on a number of federal statistical observations, data on state budget implementation, balance of payments update.

A key indicator of the system is **Gross Domestic Product (GDP)** characterizing the value of goods and services produced in all sectors of the economy in a country and intended for final consumption, capital formation and exports (excluding imports).

GDP may be estimated using three approaches (methods): output (production) approach, expenditure approach and income (GDP distribution among participants of production process) approach.

While calculating GDP by output method, GDP is defined as a difference between total output of goods and services for the entire economy, on the one hand, and intermediate consumption, on the other, or otherwise as a sum of value added in the sectors of the economy. Volumes of value added for the sectors are measured at basic prices, that is, excluding taxes on products, but including subsidies for products. For measuring GDP at market prices, it is necessary to add net (excluding subsidies) taxes on products.

Gross Domestic Product, measured by the expenditure method represents a sum of expenditure of all the institutional units - residents of a country for final consumption, gross capital formation and net exports.

Gross Domestic Product generated on the basis of the income approach reflects primary incomes accumulated in the process of production by all institutional units grouped by sectors of the economy. In this calculation the gross operating surplus (gross mixed income) is a balancing item and is measured as a difference between GDP calculated by the output (production) method at market prices,



compensation of employees and net taxes on production and imports.

This method is used by the Federal State Statistics Service (Rosstat) only for the analysis of value structure of GDP, and not for measuring its nominal volume or its changes.

In production framework of SNA hidden production (economic activities which are allowed by the legislation but which is hid or decreased with the aim to avoid taxes, etc.) is included as well as informal production - production activities of non-corporate enterprises of households which are not covered by direct statistical observation. In the present time non-corporate enterprises market production and production for own use are included in the composition of informal production.

Production in the SNA is characterized by indicators of output, intermediate consumption and Gross value added.

**Output** is a summary value of goods and services that are results of the production activity of resident-units in the economy for the reference period.

Current prices may be basic and market prices. Basic prices are those comprising subsidies for products, but excluding taxes on products. It is generally adapted to measure branch-oriented output in basic prices. Market prices, on the opposite, include taxes on goods, but exclude subsidies. Market prices are used to measure the output and Gross Domestic Product in the economy as a whole.

**Intermediate consumption** consists of value of goods and services that are transformed or completely consumed in the production process in the reference period.

**Gross value added** is measured at the level of sectors (branches) of the economy and is treated as a difference between the output of goods and services and intermediate consumption. The notion "gross" means that this indicator includes the value of consumed fixed capital (i.e. before its deduction).

**Net taxes on production and imports** include taxes on products and imports, as well as other taxes on production. The notion "net" in this case indicates that taxes are shown excluding related subsidies. Subsidies are treated as non-compensated payments from the state budget to enterprises provided those enterprises are really producing particular goods or services.

**Taxes on products** include taxes with the size directly depending on the value of products produced or services rendered. Taxes



on products comprise: value added tax (VAT), excise duties, taxes on imported goods and services and some others.

**Other taxes on production** – these are taxes related to the use of production factors (labour, land, capital), as well as payments for licenses and permission to be engaged in some kind of activity, or other obligatory payments which are necessary for the activity of a producing unit – a resident. They do not include any taxes on the profit or other incomes received by the enterprise. Among these are: the tax on property of enterprises, tax on land, tax on transport means owners (legal entities and individual entrepreneurs), license duties and some others.

**Gross Domestic Product** at the production stage is calculated by summing up gross value added by branches at basic prices plus net taxes on products.

**Compensation of employees** is defined as a sum of all remunerations in money or in kind paid by employer and received by employees in exchange for the work performed in the reference period.

Compensation of employees is recorded on the basis of accrued sums and includes taxes on incomes and other payments which must be paid by employees even if they are actually charged by employers for administrative purposes or for other reasons and are paid directly to social insurance and tax bodies on behalf of the employees.

A specific feature of employee's compensations in Russia SNA is the fact that it includes not only compensations of employees not observed by direct statistical methods but also not observed mixed income.

Compensations of employees and mixed income not observed by direct statistical methods are determined by the balance conditionally as the difference between summarized expenditures for all households needs, including the increase of their financial assets and formally registered income. Estimations of compensations and mixed income not observed by direct statistical methods are calculated for the economy as a whole without any breakdown by industries, kinds of economic activity and territory.

The accuracy of indicator of not observed mixed income depends on the completeness of information sources about institutional units to refer them correctly to household sector with due regard for peculiarities of their production activity.



Mixed income occur in cases when income from production activity is recorded not at the household sector but at the sector of non-financial corporations or visa versa income from production of non-financial corporations sector is recorded at the household sector. For these cases when summarized household expenditures are compared with formally registered it is necessary to apply the adjustment (correction) of household mixed income and inverse adjustment of gross surplus (margin) of non-financial corporations sector for the same value.

**Gross (net) operating surplus and gross (net) mixed incomes** are a part of a value added component which remains with producers after deducting expenditures related to the compensation of employees and net taxes on production and imports. This category measures operating surplus (or losses) from the production prior to recording property income. In contrast to the indicator of profit received from realization (sale) reflected in the accounting records, the gross operating surplus in the SNA does not contain elements of labour remuneration: over-normative payments on business trip subsistence allowance, representational and other expenses, the profit of assets owners generated as a result of prices growth and includes consumption of fixed capital which is equal to the estimate of value of fixed assets (owned by producers) depreciation during reference period, natural aging or accidental damage.

**Net operating surplus** is equal to the gross operating surplus less fixed capital consumption.

Referring to non-corporate enterprises owned by households, this category includes some remuneration for the work performed that cannot be separated from the owner's or entrepreneur income. In this case it is called mixed income.

**Final consumption** comprises final consumption expenditures of households, final consumption expenditures of public administration on individual goods and services and collective services, final consumption expenditures of non-profit institutions serving households.

**Final consumption expenditures of households** include expenditures of households on purchasing consumer goods and services from all the trade organizations, in markets and through non-organized trade, from organizations rendering everyday and housing services to households, from public passenger transport, communication, services rendered by the hotels, market establishments of culture, public health, education and others and also values of



goods and services consumed in kind, produced for own use and received as a type of remuneration or humanitarian help.

**Expenditures of public administration on individual goods and service** comprise the expenditures of public administration sector on the purchase of consumer goods and services designed for individual consumption. Such expenditures are financed from the state budget and from extra-budget funds from sources generated through tax revenues and other revenues of the state. These expenditures comprise the expenditures of organizations rendering free of charge services (to population) in the field of education, public health and culture.

**Expenditures of public administration on collective service.** This indicator is different from the previous one since it includes services rendered by organizations which are compensated from the state budget and their services meet the needs of the community as a whole but not the private households. This indicator includes expenditures on defence, general government, as well as expenditures on non-market science, services of organizations serving agriculture and other.

**Final consumption expenditures of non-profit institutions, serving households** are expenditures of non-government organizations (political parties, religious institutions, trade unions, associations), which are conditionally considered to provide individual goods and services. Included are also the value of non-market services (social) rendered by social and cultural divisions of corporations and quasi-corporations to their employees.

**Gross capital formation** of the economy as a whole indicates net acquisition by resident units of goods and services produced in the current period or imported, but not consumed in that period. Gross capital formation includes gross fixed capital formation, changes in inventories, as well as net acquisition of valuables.

**Net exports of goods and services** are calculated as a difference between exports and imports and include trade turnover of Russia with far abroad countries and the CIS countries.

**Statistical discrepancy between the produced and used Gross Domestic Product** shows the discrepancy between the values of GDP calculated by different methods: as a sum of gross value added and a sum of final consumption, capital formation and net exports.



13. PRODUCTION AND USE OF  
GROSS DOMESTIC PRODUCT

**13.1. PRODUCTION OF GROSS DOMESTIC PRODUCT <sup>1)</sup>**  
(at current prices; bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
Output at basic prices	12552	37021	82055	112517	121574	133110	144740	152325
Intermediate consumption	6080	18503	42015	54758	59822	64203	69976	74817
Gross value added at basic prices	6472	18518	40040	57759	61752	68908	74764	77508
Net taxes on products	833	3092	6269	9168	9264	10292	8469	8535
Gross domestic product at market prices	7306	21610	46309	66927	71017	79200	83233	86044

<sup>1)</sup> Data starting from 2011 differs from that for the previous years in that it covers changes inherent in implementing international methodology for estimating the services (produced and consumed) of owner-occupied dwellings; evaluating consumption of fixed capital based on current market prices; harmonizing exports and imports data with the balance of payments data developed on the methodology of the Sixth Edition of the IMF's Balance of Payments and International Investment Position Manual (BPM6); updating data on the Input-output tables for 2011 with the inclusion of evaluation of the services provided by paid domestic staff. Data for 2014, 2015 are developed with regard to 2008 SNA considerations concerning the accounting of results of research and development, and weapons systems.

**13.2. OUTPUT STRUCTURE BY ECONOMIC ACTIVITY**  
(at current basic prices; percent of total)

	2012	2013	2014	2015	2016
<b>Output at basic prices</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which					
by economic activity :					
agriculture, hunting and forestry	3.4	3.5	3.7	4.1	4.3
fishing	0.2	0.2	0.2	0.3	0.3
mining and quarrying	7.4	7.3	7.2	7.5	7.3
manufacturing	24.4	24.6	24.6	25.1	25.2
electricity, gas and water supply	5.2	5.3	5.3	5.0	5.2
construction	7.9	7.4	7.0	6.9	6.6
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	13.9	13.7	13.9	14.1	13.6





13. PRODUCTION AND USE OF  
GROSS DOMESTIC PRODUCT

Continued table 13.2

	2012	2013	2014	2015	2016
hotels and restaurants	1.0	1.0	1.0	1.0	0.9
transport and communica- tions	8.6	8.5	8.5	8.3	8.4
financial intermediation	3.1	3.4	3.4	2.9	3.2
real estate, renting and business activities	12.0	11.9	12.6	12.5	12.5
public administration and defence; compulsory social security	6.4	6.7	6.1	5.8	5.9
education	1.8	1.8	1.7	1.7	1.7
health and social work	2.8	2.9	3.0	3.0	3.2
other community, social and personal service activities	1.4	1.5	1.5	1.5	1.5
household activities	0.3	0.3	0.3	0.3	0.3

**13.3. STRUCTURE OF GROSS VALUE ADDED  
BY ECONOMIC ACTIVITY**

(at current basic prices; percent of total)

	2012	2013	2014	2015	2016
<b>Gross value added at basic prices</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by economic activity :					
agriculture, hunting and forestry	3.5	3.6	3.9	4.3	4.5
fishing	0.2	0.2	0.2	0.3	0.3
mining and quarrying	9.7	9.4	9.1	9.7	9.4
manufacturing	13.3	13.4	13.3	13.7	13.7
electricity, gas and water supply	3.1	3.1	2.9	3.0	3.1
construction	7.4	7.0	6.8	6.4	6.2
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	17.0	16.4	16.2	16.4	15.9
hotels and restaurants	0.9	0.9	0.9	0.9	0.8
transport and communications	8.0	8.0	7.8	7.7	7.8



13. PRODUCTION AND USE OF  
GROSS DOMESTIC PRODUCT

Continued table 13.3

	2012	2013	2014	2015	2016
financial intermediation	4.2	4.6	4.6	3.9	4.5
real estate, renting and business activities	17.2	17.0	17.5	17.3	17.2
public administration and defence; compulsory social security	7.1	7.5	8.0	7.8	7.9
education	2.7	2.8	2.7	2.6	2.6
health and social work	3.4	3.7	3.9	3.7	3.8
other community, social and personal service activities	1.6	1.7	1.6	1.7	1.7
household activities	0.7	0.7	0.6	0.6	0.6

**13.4 GROSS DOMESTIC PRODUCT BY INCOME SOURCES <sup>1)</sup>**  
(at current prices; bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Gross domestic product at market prices</b>	<b>7306</b>	<b>21610</b>	<b>46309</b>	<b>66927</b>	<b>71017</b>	<b>79200</b>	<b>83233</b>	<b>86044</b>
of which:								
compensation of employees	2937	9474	22996	29592	33144	37387	37571	40224
of which								
compensation of employees and mixed income not observed by direct statistical methods	810	2551	6632	7167	8506	10536	9140	9742
net taxes on production and import	1249	4248	8219	9831	10062	11004	9273	9413
of which:								
net taxes on products	834	3092	6269	9168	9264	10292	8469	8535
other net taxes on production	415	1156	1950	663	798	712	804	878
Gross operating surplus and gross mixed income	3120	7887	15094	27504	27811	30809	36389	36407

<sup>1)</sup> See footnote, page 183.



13. PRODUCTION AND USE OF  
GROSS DOMESTIC PRODUCT

**13.5. GROSS DOMESTIC PRODUCT BY INCOME SOURCES <sup>1)</sup>**  
(percent of total)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Gross domestic product at market prices</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:								
compensation of employees	40.2	43.8	49.6	44.2	46.7	47.2	45.1	46.7
of which compensa- tion of employees and mixed income not observed by di- rect statistical meth- ods	11.1	11.8	14.3	10.7	12.0	13.3	11.0	11.3
net taxes on production	17.1	19.7	17.8	14.7	14.2	13.9	11.1	10.9
of which:								
net taxes on products	11.4	14.3	13.6	13.7	13.1	13.0	10.2	9.9
other net taxes on production	5.7	5.4	4.2	1.0	1.1	0.9	0.9	1.0
gross operating surplus and gross mixed income	42.7	36.5	32.6	41.1	39.1	38.9	43.8	42.4

<sup>1)</sup> See footnote, page 183.

**13.6. USE OF GROSS DOMESTIC PRODUCT <sup>1)</sup>**  
(at current prices; bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Gross domestic product at market prices</b>	<b>7306</b>	<b>21610</b>	<b>46309</b>	<b>66927</b>	<b>71017</b>	<b>79200</b>	<b>83233</b>	<b>86044</b>
of which								
final consumption expenditures	4477	14438	32514	47084	52324	56511	58095	59823
of which:								
households	3295	10653	23617	34334	38068	42016	43243	43942
public administration	1103	3646	8671	12503	13998	14207	14544	15549
of which:								
on individual goods and services	439	1663	4118	5226	5727	6211	6445	6954
on collective services	664	1983	4553	7277	8271	7996	8099	8595
non-profit institutions serving households	79	139	226	247	257	288	308	332
gross capital formation	1366	4339	10473	15354	15007	17615	18622	20132
of which:								
gross fixed capital formation <sup>2)</sup>	1232	3837	10015	13522	14357	16828	17266	18112
changes in invento- ries	134	502	458	1832	650	787	1356	2020



13. PRODUCTION AND USE OF  
GROSS DOMESTIC PRODUCT

Continued table 13.6

	2000	2005	2010	2012	2013	2014	2015	2016
net exports of goods and services	1463	2959	3740	4538	3988	5074	6712	4438
exports	3219	7607	13529	18325	18909	21426	23861	22124
imports	1756	4648	9789	13787	14921	16352	17149	17686
statistical discrepancy	0	-126	-418	-49	-302	0	-196	1651

<sup>1)</sup> See footnote, page 183.

<sup>2)</sup> Including acquisition less disposals of valuables.

**13.7. USE OF GROSS DOMESTIC PRODUCT <sup>1)</sup>**  
(percent of total)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Gross domestic product at market prices</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:								
final consumption expenditures	61.3	66.3	69.6	70.3	73.3	71.3	69.7	70.8
of which:								
households	45.2	49.0	50.5	51.3	53.4	53.1	51.9	52.0
public administration	14.9	16.7	18.5	18.7	19.7	18.0	17.5	18.5
out of them:								
on individual goods and services	5.9	7.6	8.8	7.8	8.1	7.9	7.8	8.3
on collective services	9.0	9.1	9.7	10.9	11.6	10.1	9.7	10.2
non-profit institutions serving households	1.2	0.6	0.6	0.3	0.2	0.2	0.3	0.3
gross capital formation	18.6	20.1	22.5	22.9	21.1	22.2	22.3	24.0
of which:								
gross fixed capital formation <sup>2)</sup>	16.9	17.7	21.4	20.2	20.2	21.3	20.7	21.6
changes in inventories	1.7	2.4	1.1	2.7	0.9	0.9	1.6	2.4
net exports of goods and services	20.1	13.6	7.9	6.8	5.6	6.5	8.0	5.2
exports	44.1	35.0	28.9	27.4	26.5	27.1	28.6	26.2
imports	24.0	21.4	21.0	20.6	20.9	20.6	20.6	21.0

<sup>1)</sup> See footnote, page 183.

<sup>2)</sup> Including acquisition less disposals of valuables.



## 14. ENTERPRISES AND ORGANIZATIONS

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The section presents data on enterprises and organizations of the Russian Federation obtained from records of state registration of legal entities.

**State property** in the Russian Federation refers to the property owned by the Russian Federation (federal property) and the property owned by the constituent entities of the Russian Federation – republics, territories (kray), regions (oblast), cities of federal importance, autonomous region (oblast), autonomous areas (okrug) (property of constituent entities of the Russian Federation).

Land and other natural resources that are not owned by citizens, legal entities or municipal establishments represent the state property.

Property owned by urban and rural settlements and also by other municipal establishments is the **municipal property**.

**Private property** refers to property, which belongs, according to the right of property, to citizens and legal entities excluding selected categories of property that may not belong to citizens or legal entities according to the law.

**Property of public and religious organizations (associations)** refers to property that belongs, according to the right of property, to public and religious organizations (associations).

**Turnover organizations** include the value of own production goods, works performed and services shipped, as well as sales revenue from goods purchased earlier outside (except VAT, excise and similar mandatory payments). Volume of own production shipped goods is the value of those goods which were pro-



duced by legal entities and actually were shipped or sold during the reference period and also bartered (with other legal entities or physical persons), irrespective of whether money come to seller's bank account or not. Data on this indicator is a set of organizations of the relevant kind of main economic activity and reflects their commercial activity.

**Small enterprises.** In 2016, a full-scale federal statistical observation on activities of small and medium-sized enterprises in 2015 was conducted, preliminary results were compiled.

The conditions for referring to small enterprises are established in the Article 4 of the Federal Law "On the development of small and medium-sized enterprises in the Russian Federation" of July 24, 2007 No. 209-FZ.

Tables 14.4 - 14.6 include preliminary data on small (and micro) enterprises – legal entities with the number of employees of up to 100 persons (including) and with proceeds from sale of goods (works, services) to 800 mln. rubles. Data is presented excluding changes in classification criteria for small and medium enterprises, established by the Federal law № 408-FZ of 29.12.2015, № 222-FZ of 23.06.2016, № 265-FZ of 03.07.2016 and the Decision of the Government of the Russian Federation № 265 of 04.04.2016.

**Individual entrepreneurship.** Table 14.8 presents preliminary data of the full-scale federal statistical observation on activities of small and medium-sized enterprises in 2015.



## GENERAL OVERVIEW OF ENTERPRISES AND ORGANIZATIONS

### 14.1. ORGANIZATIONS BY ECONOMIC ACTIVITY in 2016 <sup>1)</sup> (end of year)

	Number of organizations		of which by ownership types, thou.		
	thou.	percent of total	state and municipal	private	mixed Russian
<b>Total</b>	<b>4764.5</b>	<b>100</b>	<b>311.0</b>	<b>4122.2</b>	<b>29.7</b>
of which organizations by main activity:					
agriculture, hunting and forestry	133.1	2.8	5.0	124.2	0.6
fishing	8.2	0.2	0.3	7.6	0.1
mining and quarrying	18.2	0.4	0.1	16.4	0.2
of which :					
mining of energy producing minerals	6.4	0.1	0.1	5.4	0.1
mining except of energy producing minerals	11.8	0.2	0.1	11.0	0.1
manufacturing	387.1	8.1	4.3	362.9	2.6
of which :					
manufacture of food products, including beverages, and tobacco	49.3	1.0	0.3	45.5	0.5
manufacture of textiles and textile products	23.8	0.5	0.1	22.3	0.1
manufacture of leather, leather products and footwear	2.3	0.0	0.0	2.1	0.0
manufacture of wood and wood products	29.0	0.6	0.1	27.6	0.1



## 14. ENTERPRISES AND ORGANIZATIONS

Continued table 14.1

	Number of organizations		of which by ownership types, thou.		
	thou.	percent of total	state and municipal	private	mixed Russian
manufacture of pulp, paper and paper products; publishing and printing	46.1	1.0	2.7	41.1	0.4
manufacture of coke and refined petroleum products	1.9	0.0	0.0	1.7	0.0
manufacture of chemical products	14.1	0.3	0.1	12.8	0.2
manufacture of rubber and plastics products	20.7	0.4	0.0	19.7	0.0
manufacture of other non-metallic mineral products	29.2	0.6	0.1	27.8	0.1
manufacture of basic metals and fabricated metal products	46.8	1.0	0.1	45.1	0.2
of which manufacture of basic metals	4.5	0.1	0.0	4.2	0.0
manufacture of machinery and equipment	41.0	0.9	0.2	38.7	0.3
manufacture of electrical, electronic and optical equipment	35.1	0.7	0.3	33.0	0.4
manufacture of transport equipment	9.6	0.2	0.1	8.6	0.2
of which:					
manufacture of motor vehicles, trailers and semi-trailers	3.5	0.1	0.0	3.2	0.0
manufacture of ships, aircraft and spacecraft and other transport equipment	6.1	0.1	0.1	5.4	0.2





Continued table 14.1

	Number of organizations		of which by ownership types, thou.		
	thou.	percent of total	state and municipal	private	mixed Russian
electricity, gas and water supply	31.8	0.7	6.0	23.3	1.6
construction	497.8	10.4	2.1	479.5	1.0
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	1585.0	33.3	3.2	1521.6	1.7
of which :					
sale, maintenance and repair of motor vehicles and motorcycles	140.8	3.0	0.2	136.5	0.1
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	1092.0	22.9	0.8	1048.0	0.9
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	352.3	7.4	2.2	337.1	0.6
hotels and restaurants	107.3	2.3	1.6	100.5	0.3
transport and communications	325.3	6.8	7.8	306.3	1.9
of which communications	24.8	0.5	1.8	21.1	0.6
financial intermediation	92.4	1.9	1.2	76.9	3.3
real estate, renting and business activities	961.3	20.2	23.0	885.0	11.2
of which :					
maintenance of housing stock	80.7	1.7	2.6	74.3	3.4
research and development	39.4	0.8	2.8	31.4	3.6



## 14. ENTERPRISES AND ORGANIZATIONS

Continued table 14.1

	Number of organizations		of which by ownership types, thou.		
	thou.	percent of total	state and municipal	private	mixed Russian
public administration and defence, compulsory social security	96.3	2.0	91.4	4.5	0.1
education	141.7	3.0	104.9	33.3	0.7
health and social work	85.9	1.8	23.9	56.6	0.5
other community, social and personal service activities	291.1	6.1	36.2	121.9	2.0

<sup>1)</sup> Data source: State registration.

#### 14.2. ENTERPRISES AND ORGANIZATIONS BY OWNERSHIP TYPES <sup>1)</sup>

(end of year)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Number of enterprises and organizations, thou.</b>							
<b>Total</b>	<b>3346.5</b>	<b>4767.3</b>	<b>4823.3</b>	<b>4886.4</b>	<b>4843.4</b>	<b>4886.0</b>	<b>5043.6</b>	<b>4764.5</b>
of which by ownership types:								
state property	150.8	160.4	119.4	112.6	116.1	113.7	110.7	108.0
municipal property	216.6	252.1	246.4	230.9	225.3	218.9	212.0	203.0
private property	2509.6	3837.6	4103.6	4195.0	4159.5	4212.2	4377.8	4122.2
property of public and religious organizations (associations)	223.0	252.5	157.0	147.3	144.9	144.4	145.4	143.8
other property types including mixed Russian property, foreign, joint Russian and foreign	246.5	264.7	196.8	200.6	197.6	196.7	197.7	187.4



Continued table 14.2

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Percent of total</b>							
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which by ownership types:								
state property	4.5	3.4	2.5	2.3	2.4	2.3	2.2	2.3
municipal property	6.5	5.3	5.1	4.7	4.7	4.5	4.2	4.3
private property	75.0	80.5	85.1	85.9	85.9	86.2	86.8	86.5
property of public and religious organizations (associations)	6.7	5.3	3.3	3.0	3.0	3.0	2.9	3.0
other property types including mixed Russian property, foreign, joint Russian and foreign	7.4	5.6	4.1	4.1	4.1	4.0	3.9	3.9

<sup>1)</sup> Data source: State registration.

**14.3. TURNOVER OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY <sup>1)</sup>**  
(at actual prices; bln. roubles)

	2002	2005	2010	2014 <sup>2)</sup>	2015	2016	2016 percent of 2015
<b>Total in the economy</b>	<b>15885.4</b>	<b>36459.5</b>	<b>81196.1</b>	<b>129195.0</b>	<b>141547.3</b>	<b>149334.2</b>	<b>105.5</b>
of which organizations by main activity:							
agriculture, hunting and forestry	349.7	565.4	1150.3	1891.7	2345.3	2517.2	107.3
fishing	33.4	54.3	108.3	170.1	269.9	290.9	107.8



Continued table 14.3

	2002	2005	2010	2014 <sup>2)</sup>	2015	2016	2016 percent of 2015
mining and quarrying	1312.0	3150.9	6248.7	9777.3	11339.1	11777.1	103.9
of which:							
mining of energy producing minerals	1107.1	2751.8	5424.9	8605.9	9991.3	10174.0	101.8
mining except of energy producing minerals	204.9	399.1	823.8	1171.5	1347.7	1603.1	118.9
manufacturing	4219.1	9777.5	18761.4	32019.6	34687.2	36716.8	105.9
of which:							
manufacture of food products, including beverages, and tobacco	851.2	1464.3	3094.0	4675.6	5526.3	6000.4	108.6
manufacture of textiles and textile products	83.0	111.7	198.8	286.5	317.2	370.2	116.7
manufacture of leather, leather prod- ucts and footwear	17.1	24.0	43.7	47.3	53.9	63.4	117.5
manufacture of wood and wood products	67.6	146.7	226.4	378.1	435.4	510.8	117.3
manufacture of pulp, paper and paper products; publishing and printing	192.1	292.2	575.8	960.5	1116.2	1261.2	113.0
manufacture of coke and refined petroleum products	194.4	2409.6	4036.4	9564.1	9287.0	9177.9	98.8
manufacture of chemical products	343.0	570.1	1361.2	2079.3	2649.9	2767.7	104.4
manufacture of rubber and plastics products	96.2	183.2	494.4	685.7	800.8	885.7	110.6

Continued table 14.3

	2002	2005	2010	2014 <sup>2)</sup>	2015	2016	2016 percent of 2015
manufacture of other non-metallic mineral products	182.4	373.7	821.0	1283.6	1240.6	1264.0	101.9
manufacture of basic metals and fabricated metal products	825.6	1868.3	3352.9	4582.1	5337.7	5489.7	102.8
of which							
manufacture of basic metals	705.2	1626.8	2806.1	3742.7	4405.5	4457.6	101.2
manufacture of machinery and equipment	327.0	504.6	1021.3	1487.3	1509.0	1656.0	109.7
manufacture of electrical, electronic and optical equipment	255.4	468.1	982.5	1516.4	1733.7	1962.8	113.2
manufacture of transport equipment	522.2	909.3	1710.9	3037.1	2949.4	3348.8	113.5
of which :							
manufacture of motor vehicles, trailers and semi-trailers	279.3	549.7	947.2	1685.4	1493.7	1784.8	119.5
manufacture of ships, aircraft and spacecraft and other transport equipment	242.9	359.6	763.7	1351.7	1455.7	1564.1	107.4
electricity, gas and water supply	857.7	1864.3	5483.7	7648.0	8014.8	8742.1	109.1
construction	783.2	1535.2	3652.1	4929.0	4723.5	6216.0	131.6
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	5194.6	14123.2	33359.8	51923.4	56362.4	56581.1	100.4



## 14. ENTERPRISES AND ORGANIZATIONS

Continued table 14.3

	2002	2005	2010	2014 <sup>2)</sup>	2015	2016	2016 percent of 2015
of which:							
sale, maintenance and repair of motor vehicles and motorcycles	349.0	1211.7	3173.6	6781.3	6172.0	6478.1	105.0
wholesale trade and commission trade, except motor vehicles and motorcycles	4016.0	10251.7	23848.6	35206.8	39264.0	38159.0	97.2
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	829.6	2659.7	6337.6	9935.3	10926.4	11944.0	109.3
hotels and restaurants	89.8	182.6	434.3	873.6	925.8	1003.6	108.4
transport and communications	1592.8	3055.1	6628.2	10006.9	10965.2	11685.4	106.6
of which communications	365.9	743.0	1521.8	1859.3	1893.7	1920.5	101.4
real estate, renting and business activities	1061.8	1527.3	4214.4	7246.0	8687.5	10317.9	118.8
public administration and defence, compul- sory social security	71.8	39.9	83.1	117.5	131.8	123.3	93.5
education	16.8	125.7	271.1	387.9	430.6	479.5	111.4
health and social work <sup>3)</sup>	46.7	126.4	311.5	1508.0	1920.1	2014.4	104.9
other community, social and personal service activities	137.2	298.5	486.0	685.4	738.3	857.4	116.1

<sup>1)</sup> Except activity of financial institutions.

<sup>2)</sup> Excluding data on the Crimean Federal District.

<sup>3)</sup> Since 2014 - including funds of compulsory medical insurance.



## SMALL BUSINESS

### 14.4. NUMBER OF SMALL ENTERPRISES BY ECONOMIC ACTIVITY in 2015 <sup>1)</sup>

(data from full-scale observation of small and medium-sized enterprises)

	Small enterprises			
	total		including micro businesses	
	thousand	percent of total	thousand	percent of total
<b>Total</b>	<b>2222.4</b>	<b>100</b>	<b>1990.0</b>	<b>100</b>
of which by economic activity:				
agriculture, hunting and forestry	56.2	2.5	47.9	2.4
fishing	4.2	0.2	3.8	0.2
mining and quarrying	8.6	0.4	7.4	0.4
manufacturing	210.6	9.5	176.7	8.9
electricity, gas and water supply	13.7	0.6	10.3	0.5
construction	262.8	11.8	234.4	11.8
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	801.6	36.1	729.6	36.7
of which:				
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	507.1	22.8	460.9	23.2
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	218.8	9.8	200.3	10.1
hotels and restaurants	67.4	3.0	57.3	2.9
transport and communications	153.5	6.9	139.5	7.0
of which communications	12.9	0.6	11.3	0.6
financial intermediation	33.4	1.5	31.5	1.6
real estate, renting and business activities	503.9	22.7	456.6	22.9
education	8.1	0.4	7.8	0.4
health and social work	37.5	1.7	32.2	1.6
other community, social and personal service activities	60.9	2.7	55.0	2.8

<sup>1)</sup> This data is preliminary and will be updated after summarizing the final results and outcomes of the full-scale federal statistical observation on activities of small and medium-sized enterprises in 2015.



**14.5. AVERAGE NUMBER OF PAYROLL WORKERS  
(except external second-job employees) OF SMALL ENTERPRISES  
BY ECONOMIC ACTIVITY in 2015<sup>1)</sup>**

(data from full-scale observation of small and medium-sized enterprises)

	Small enterprises			
	total		including micro businesses	
	thou. persons	percent of total	thou. persons	percent of total
<b>Total</b>	<b>10365.2</b>	<b>100</b>	<b>4192.4</b>	<b>100</b>
of which by economic activity:				
agriculture, hunting and forestry	397.7	3.8	94.6	2.3
fishing	20.9	0.2	6.5	0.2
mining and quarrying	55.1	0.5	11.6	0.3
manufacturing	1606.1	15.5	469.7	11.2
electricity, gas and water supply	143.4	1.4	27.9	0.7
construction	1242.7	12.0	486.3	11.6
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	2779.7	26.8	1388.6	33.1
of which:				
wholesale trade and commission trade, except sale of motor ve- hicles and motorcycles	1401.6	13.5	749.2	17.9
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	1065.1	10.3	497.3	11.9
hotels and restaurants	456.8	4.4	174.0	4.1
transport and communications	667.3	6.4	277.7	6.6
of which communications	72.3	0.7	28.7	0.7
financial intermediation	81.8	0.8	43.9	1.0
real estate, renting and business activities	2356.0	22.7	967.3	23.1
education	18.7	0.2	13.6	0.3
health and social work	251.3	2.4	111.4	2.7
other community, social and personal service activities	287.8	2.8	119.5	2.8

<sup>1)</sup> This data is preliminary and will be updated after summarizing the final results and outcomes of the full-scale federal statistical observation on activities of small and medium-sized enterprises in 2015.



**14.6. PROCEEDS FROM THE SALE OF GOODS (WORKS, SERVICES)  
OF SMALL ENTERPRISES BY ECONOMIC ACTIVITY in 2015 <sup>1)</sup>**

 (data from full-scale observation of  
small and medium-sized enterprises)

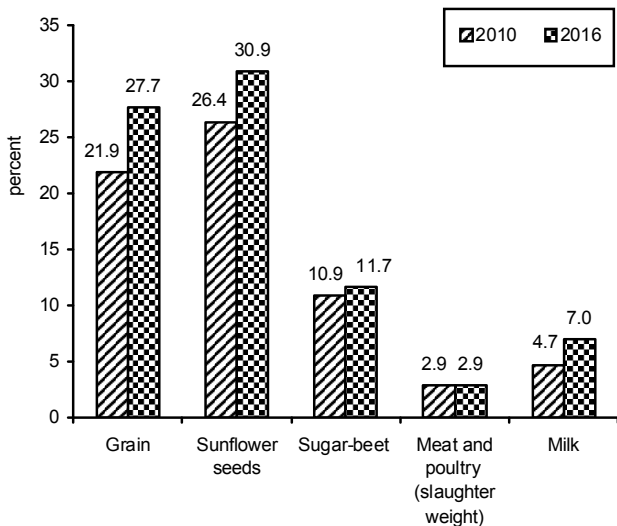
	Small enterprises			
	total		including micro businesses	
	bln. roubles	percent of total	bln. roubles	percent of total
<b>Total</b>	<b>44277.2</b>	<b>100</b>	<b>18656.5</b>	<b>100</b>
of which by economic activity:				
agriculture, hunting and forestry	648.2	1.5	190.1	1.0
fishing	65.5	0.1	15.6	0.1
mining and quarrying	181.5	0.4	43.1	0.2
manufacturing	4071.4	9.2	1301.5	7.0
electricity, gas and water supply	221.6	0.5	60.7	0.3
construction	5448.9	12.3	2266.5	12.1
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	24534.2	55.4	10400.6	55.7
of which:				
wholesale trade and commission trade, except sale of motor ve- hicles and motorcycles	19410.8	43.8	8297.9	44.5
retail trade, except sale of motor vehicles and motorcycles and re- pair of personal and household goods	3242.2	7.3	1405.7	7.5
hotels and restaurants	662.9	1.5	282.6	1.5
transport and communications	2336.5	5.3	1185.0	6.4
of which communications	165.4	0.4	67.2	0.4
financial intermediation	507.0	1.1	204.5	1.1
real estate, renting and business activities	4855.3	11.0	2390.2	12.8
education	18.5	0.0	12.5	0.1
health and social work	281.7	0.6	103.4	0.6
other community, social and personal service activities	444.0	1.0	200.1	1.1

<sup>1)</sup> This data is preliminary and will be updated after summarizing the final results and out-comes of the full-scale federal statistical observation on activities of small and medium-sized enterprises in 2015.



### 14.7. SHARE OF PRIVATE (peasant) FARMS <sup>1)</sup> IN TOTAL PRODUCTION VOLUME OF BASIC AGRICULTURAL PRODUCTS

(percent of total production volume of all farms)



<sup>1)</sup> Including individual entrepreneurs.

## INDIVIDUAL ENTREPRENEURSHIP

14.8. MAIN INDICATORS OF INDIVIDUAL ENTREPRENEURS  
BY ECONOMIC ACTIVITY in 2015<sup>1)</sup>(data from full-scale observation of  
small and medium-sized enterprises)

	Number of actually operated individual entrepreneurs		Volume of revenues (including taxes and similar compulsory payments) from sales of goods, products, works, services by all economic activities	
	thou. persons	percent of total	bln. roubles	percent of total
<b>Total</b>	<b>2079.2</b>	<b>100</b>	<b>7694.1</b>	<b>100</b>
of which:				
agriculture, hunting and forestry	101.9	4.9	293.9	3.8
fishing	2.3	0.1	3.3	0.0
mining and quarrying	0.5	0.0	2.1	0.0
manufacturing	107.3	5.2	413.8	5.4
electricity, gas and water supply	1.3	0.1	3.5	0.0
construction	66.2	3.2	176.6	2.3
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	1005.5	48.4	4962.6	64.5
of which:				
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	82.6	4.0	1133.0	14.7
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	835.9	40.2	3410.9	44.3
hotels and restaurants	44.8	2.2	188.6	2.5
transport and communications	256.8	12.4	453.5	5.9
of which communications	4.3	0.2	9.8	0.1
financial intermediation	18.7	0.9	44.7	0.6
real estate, renting and business activities	308.0	14.8	964.2	12.5
education	14.3	0.7	14.2	0.2
health and social work	15.0	0.7	17.7	0.2
other community, social and personal service activities	136.6	6.6	155.5	2.0

<sup>1)</sup> Individual entrepreneurs – private persons, registered according to the approved order and carrying out business activities without status of legal entity.

This data is preliminary and will be updated after summarizing the final results and out-comes of the full-scale federal statistical observation on activities of small and medium-sized enterprises in 2015.



## 15. MINING AND QUARRYING, MANUFACTURING, ELECTRICITY, GAS AND WATER SUPPLY

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This section of handbook represents information highlighting changes in production by sections of OKVED «Mining and quarrying», «Manufacturing», «Electricity, gas and water supply» and their subsections, shipped products (works, service) shipped by economic activity, production of basic products, production capacity usage for selected products output, some financial indicators of current operations of organizations.

Data for the previous periods is adjusted according to the results of annual statistical reporting and with a view to changes made by economic agencies to previously presented data, data for 2016 is preliminary.

**Volume of shipped own produced goods, works performed and services rendered** is the value of own production of all goods, works performed and service rendered shipped or sold or exchanged directly (according to the agreement of barter). This indicator is compiled since 2005.

Amount of goods shipped is the value of the goods produced by a legal entity and actually shipped outside in the reference period (to other legal entities or individuals), including goods handed with official documents to the customer on the spot irrespectively either money transfer was received on the account of seller or not.

Volume of own works and service is the value of works and service rendered (performed) to other legal entities and individuals.



Data is presented at actual cost prices without value added tax, excises and similar compulsory payments.

Groupings by economic activity are the aggregate of respective actual economic activities carried out by organizations irrespectively of their main activity.

In some cases, in accordance with accounting policy, selected organizations submit data as a whole by legal entity, by its registered address.

**Number of acting organizations and their economically autonomous subdivision** means legal entities of all forms of ownership, branches, economically autonomous subdivisions carrying out production activities in mining and quarrying, manufacturing, electricity, gas and water supply according to the actual activity irrespectively of a core activity of organization (legal entity).

Economically autonomous subdivision of an organization is any subdivision which is territorially separate from the organization equipped with permanent workplaces. An economically autonomous subdivision is recognized as such regardless of whether its establishment is reflected in in the organization's foundation documents or other organizational and administrative documents and of the powers vested in that subdivision. A workplace is considered permanent if it is set up for more than one month.

Groupings by economic activity are the number of respective actual economic activities carried out by organizations irrespectively of their main activity.

**Index of production** is a relative indicator characterizing changes in the production output over comparable periods. There are individual and aggregate indices of industrial production. The individual index reflects changes of given product output and is calculated as a ratio of production volume of this type of product in quantity terms in the comparable periods. The aggregate index of production characterizes integrated changes in production of all types goods and products and reflects changes of the value gener-



ated in the process of production as a result of only quantitative changes of physical volume of production. To compute the aggregate index of industrial production, individual indices for definite types of production are aggregated stage by stage into indices of economic activities, subgroups, groups, subclasses and classes, subsections and sections of OKVED.

Index of industrial production is aggregated index by activities "Mining and quarrying", "Manufacturing", "Electricity, gas and water supply".

Industrial production index and production indices for «Mining and quarrying», «Manufacturing», «Electricity, gas and water supply» for the Russian Federation are given without adjustment to informal activities.

**Production capacity** is the maximum possible output of products (per a year, 24 hours, a shift) or a volume of yielded or processed raw materials in respective nomenclature and assortment. It is determined with due regards for the full use of established procedure of work of production equipment and production area. The balance of production capacity characterizes the value of the capacity for output of a specific kind of product, the factor of its change and the level of utilization. In accordance with the balance of production capacity the average annual production capacity operated during the report year and the level of utilization. The level of production capacity use is a relative indicator characterizing the degree of the use of production capacity for the output of selected types of products. It is calculated as a ratio of the actual output of product to the average annual capacity operated for the production of the given products during the reference year.

**Production of products in physical terms** include products produced by an organization (regardless of its primary activity) from both own raw and other material, and unpaid raw materials and customer-supplied raw materials for sale, to other legal entities and private individuals, own capital construction and its divisions, enrolled in fixed assets or current assets (for example: working clothes and special rigging) issued to the employees as wages, as well as consumed as their own production needs. Customer-supplied raw ma-



materials are defined as raw materials belonging to the customer and transferred for processing to other organizations to produce products in accordance with the signed contracts. Data is presented in accordance with Russia classification of products by economic activity (OKPD).

Average annual number of employees of organizations of organizations is determined by summing of the average payroll number of employees for all months of the year and the received sum should be divided by 12. The average payroll number of employees is compiled by summing up the number of payroll employees for each calendar day of month and the received sum should be divided by the number of calendar days of this month. The average payroll number of employees does not include women on pregnancy, maternity leaves, those on leave in the connection with adoption of a newborn child straight from a maternity hospital, as well as on additional child care leaves, employees studying at educational organizations additional leave on their own account as well as employees who entered educational organizations and were on the additional leave on their own account to pass examination.

**Balanced financial result (profit less loss)** – is a final financial result calculated using book-keeping records covering all economic activities of organizations. It comprises total sum of profits (losses) from sales of goods, products (works, services), fixed assets, other property and other net income from non-trade transactions. Data related to financial balance are presented, in accordance with OKVED, excluding data on small businesses, at actual prices, in the structure and in accordance with methodology adopted for the corresponding years starting since 2005.

**Profitability of goods, products (works, services) sold** is computed as a ratio of a financial balance result (profit less losses) from sales of goods, products (works, services) and a self cost of sold goods, products (works, services) with regard to selling and administrative costs. When a balance of financial result from sales of goods, products (works, services) is negative it means that there is a loss ratio. Data on this indicator, compiled according to the OKVED, are presented since 2005.



**BASIC ECONOMIC INDICATORS  
OF MINING AND QUARRYING, MANUFACTURING,  
ELECTRICITY, GAS AND WATER SUPPLY**

**15.1. MAIN INDICATORS OF MINING AND QUARRYING,  
MANUFACTURING,  
ELECTRICITY, GAS AND WATER SUPPLY**

	2005	2010	2013	2014	2015	2016
Number of acting organizations their economically autonomous subdivisions (end of year):						
mining and quarrying	7040	10116	12023	12623	12598	...
manufacturing	212644	226491	260216	263201	263142	...
electricity, gas and water supply	39076	40384	39808	40172	39502	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles:						
mining and quarrying	3062	6218	9214	9691	11171	11712
manufacturing	8872	18881	26840	29661	33087	33898
electricity, gas and water supply	1691	3665	4492	4712	4833	5164
Industrial production index <sup>1)</sup> , percent of previous year	105.1	107.3	100.4	101.7	96.6	101.1



Continued table 15.1

	2005	2010	2013	2014	2015	2016
Average annual number of employees of organizations <sup>2)</sup> , thou. persons	12358	10547	10297	10056	9896	9676
Balanced financial result (profit less loss) of organizations <sup>3)</sup> , mln. roubles	1729311	3332216	3110165	3280733	4471890	6083390
Profitability of goods, products (works, services) sold <sup>3)</sup> , percent	18.0	16.2	10.5	10.6	13.2	13.3

<sup>1)</sup> Aggregated production output index by activities «Mining and quarrying». «Manufacturing». «Electricity, gas and water supply».

<sup>2)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>3)</sup> 2005-2015 – according to book-keeping data.

**15.2. VOLUME OF SHIPPED OWN PRODUCED GOODS,  
WORKS PERFORMED AND SERVICES RENDERED  
BY ECONOMIC ACTIVITY**  
(percent)

	2005	2010	2013	2014	2015	2016
<b>Mining and quarrying</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:						
extraction of energy producing minerals	87.7	88.0	88.6	88.4	88.0	87.0
extraction of minerals except of energy producing minerals	12.3	12.0	11.4	11.6	12.0	13.0
<b>Manufacturing</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:						
manufacture of food products, including beverages, and tobacco	16.7	17.3	15.9	16.3	17.7	18.5
manufacture of textiles and textile products	1.1	1.1	0.9	0.9	0.9	1.0
manufacture of leather, leather products and footwear	0.2	0.2	0.2	0.2	0.2	0.2
manufacture of wood and wood products	1.6	1.4	1.4	1.3	1.4	1.4



15. MINING AND QUARRYING, MANUFACTURING,  
ELECTRICITY, GAS AND WATER SUPPLY

Continued table 15.2

	2005	2010	2013	2014	2015	2016
manufacture of pulp, paper and paper products; publishing and printing	3.6	3.4	2.9	2.8	3.0	3.0
manufacture of coke and refined petroleum products	16.2	18.7	25.5	23.1	21.3	21.0
manufacture of chemical products	7.6	7.6	7.0	7.1	8.1	7.8
manufacture of rubber and plastics products	2.2	2.7	2.5	2.3	2.4	2.6
manufacture of other non-metallic mineral products	4.8	4.4	4.5	4.2	3.8	3.5
manufacture of basic metals and fabricated metal products	21.4	18.1	14.7	15.4	16.3	15.3
manufacture of machinery and equipment	5.4	5.4	5.0	4.6	4.4	4.3
manufacture of electrical, electronic and optical equipment	5.1	6.0	5.7	5.8	5.9	6.1
manufacture of transport equipment	9.4	8.8	11.8	10.7	9.2	9.2
other manufacturing	4.7	4.9	5.0	5.3	5.4	6.1
<b>Electricity, gas and water supply</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
of which:						
electricity, gas, steam and hot water supply	93.9	94.4	94.8	94.9	94.8	95.0
of which:						
production, distribution and supply of electricity	57.3	61.2	61.1	61.5	61.9	62.6
production and distribution of gaseous fuels	6.4	4.3	4.5	4.6	4.1	4.0
production, distribution and supply of steam and hot water	30.2	28.8	29.2	28.8	28.8	28.4
collection, purification and distribution of water	6.1	5.6	5.2	5.1	5.2	5.0



**15.3. PRODUCTION INDICES  
BY ECONOMIC ACTIVITY  
(1991=100)**

	1992	2000	2005	2010	2012	2013	2014	2015	2016	2016 perce nt of 2015
Mining and quarrying	88.2	74.3	99.1	106.6	109.6	110.8	112.3	112.7	115.6	102.5
extraction of energy producing minerals	94.7	80.7	111.4	120.5	122.8	123.9	125.6	125.6	128.9	102.6
extraction of minerals except of energy pro- ducing minerals	71.0	60.1	62.2	60.0	66.1	67.6	68.7	70.2	70.8	100.8
Manufacturing	81.8	50.9	68.9	77.8	88.3	88.7	90.6	85.7	85.8	100.1
manufacture of food products, including be- verages, and tobacco	80.0	54.6	75.2	91.4	98.8	99.4	101.9	103.9	106.4	102.4
manufacture of textiles and textile products	71.9	23.4	24.8	23.8	24.2	25.2	24.6	21.7	22.9	105.3
manufacture of leath- er, leather products and footwear	78.0	15.3	21.5	31.6	32.8	31.3	30.5	27.0	28.4	105.1
manufacture of wood and wood products	78.7	37.4	48.5	47.3	50.1	54.1	51.3	49.5	50.9	102.8
manufacture of pulp, paper and paper products; publishing and printing	88.0	81.1	108.7	109.2	123.1	116.7	117.1	109.7	110.6	100.8
manufacture of coke and refined petroleum products	82.8	60.2	70.8	84.0	89.9	92.0	97.2	97.5	95.1	97.6



15. MINING AND QUARRYING, MANUFACTURING,  
ELECTRICITY, GAS AND WATER SUPPLY

Continued table 15.3

	1992	2000	2005	2010	2012	2013	2014	2015	2016	2016 percent of 2015
manufacture of chemical products	79.0	69.7	81.9	91.2	104.0	109.6	109.7	116.6	122.8	105.3
manufacture of rubber and plastics products	79.5	52.5	74.5	150.6	189.2	in 2.0 times	in 2.2 times	in 2.1 times	in 2.2 times	105.4
manufacture of other non-metallic mineral products	80.9	40.3	51.7	47.5	56.4	55.3	56.3	51.9	48.5	93.4
manufacture of basic metals and fabricated metal products	82.3	66.8	87.5	92.2	103.3	103.3	104.0	97.2	95.0	97.7
manufacture of machinery and equipment	84.4	32.3	44.9	48.7	55.5	53.7	49.5	44.0	45.7	103.8
manufacture of electrical, electronic and optical equipment	79.8	45.2	116.1	111.5	132.8	131.4	130.8	120.5	119.2	99.0
manufacture of transport equipment	85.3	53.1	52.7	52.0	67.2	68.7	74.5	68.2	66.2	97.0
other manufacturing	91.2	60.3	90.2	100.2	108.3	103.3	106.1	99.7	93.5	93.8
Electricity, gas and water supply	95.3	76.9	86.1	88.5	89.9	87.6	87.5	86.1	87.4	101.5



**15.4. LEVEL OF ANNUAL AVERAGE PRODUCTION CAPACITY USE  
OF ORGANIZATIONS FOR OUTPUT OF SELECTED PRODUCTS <sup>1)</sup>**

(percent)

	2010	2012	2013	2014	2015
<b>Mining and quarrying</b>					
Coal	77	81	80	81	82
Construction materials, non-ore	51	61	61	58	53
<b>Manufacture of food products, including beverages, and tobacco</b>					
Meat and by-products of slaughter bearing	46	48	55	60	65
Meat and sub products of poultry	80	81	73	74	79
Sausages	64	59	56	57	56
Canned meat (containing meat)	48	51	53	53	49
Canned vegetables and fruits	34	57	55	59	60
Vegetable raw oil	65	73	68	70	62
Whole milk products (in milk equivalent)	57	59	59	59	61
Sweet butter and buttery pastes	28	30	31	35	36
Cheese and cheese products	63	62	59	64	66
Concentrated milk products	58	63	60	62	60
Flour from grains, green and other crops; their mixtures	47	47	46	47	50
Groats	34	32	33	34	30
Bread and bakery products	41	40	41	41	43
Confectionery	62	62	63	63	59
White beet sugar in solid state	91	86	91	85	89
Pasta products (macaroni)	67	62	59	62	63
Beer, except for brewing waste <sup>2)</sup>	61	60	55	55	52
Mineral water	53	50	48	45	45
Alcohol-free beverages	46	34	31	32	33
Cigarettes	72	71	68	63	64
<b>Manufacture of textiles and textile products</b>					
Cotton fabrics	62	60	64	63	62
Linen fabrics, finished	22	19	17	13	27
Wool fabrics, finished	26	26	29	26	24
Knitted wear, hosiery	69	61	57	51	50
Knitted wear	62	59	73	72	62



Continued table 15.4

	2010	2012	2013	2014	2015
<b>Manufacture of leather, leather products and footwear</b>					
Footwear	69	58	59	58	48
Leather products, hard	42	41	30	25	84
Leather products, yuphta	30	31	37	30	49
Leather products, chrome	68	84	74	69	63
<b>Manufacture of wood and wood products</b>					
Timber, sawn or chipped lengthwise, sliced or peeled, of a thickness exceeding 6 mm; railway and tram unimpregnated timber sleepers	52	43	44	49	51
Plywood, consisting solely of sheets of wood	81	80	81	82	82
Particle board and similar board of wood or other ligneous materials	75	86	85	85	82
<b>Manufacture of pulp, paper and paper products; publishing and printing</b>					
Paper	83	85	81	83	87
Paperboard	77	76	77	79	83
<b>Manufacture of chemical products</b>					
Sulfuric acid, oleum	84	85	79	72	73
Anhydrous ammonia	88	91	94	95	94
Mineral and chemical fertilizers (in equivalent of 100% nutritive substances)	86	82	81	86	87
Plastics, in primary forms	70	70	73	72	78
Paints, varnishes, and similar coating materials, printing mastics and inks	40	37	43	42	42
Chemical fibres and threads	49	50	58	59	62
<b>Manufacture of rubber and plastics products</b>					
New tires and inner tubes, of rubber	82	74	74	70	75
Tubes, pipes, hoses, tubes and fittings therefore, of polymers	52	65	59	62	50
<b>Manufacture of other non-metallic mineral products</b>					
Ceramic nonrefractory building bricks	58	73	70	72	65
Portland cement, aluminous cement, slag cement and similar hydraulic cements	65	65	69	67	58



Continued table 15.4

	2010	2012	2013	2014	2015
Building bricks (including stones) of cement, of concrete or of artificial stone	39	49	55	59	54
Building blocks, small, of concrete	35	37	33	39	37
Small building blocks, of multicellular concrete	60	73	74	81	79
Building blocks, big (including those of basement walls) of concrete	29	41	42	36	28
Constructions and details precast reinforced concrete	52	60	57	55	47
Sheets of asbestos-cement (corrugated) (slate)	47	28	36	28	27
Tubes and couplings of asbestos-cement	36	38	44	41	34
Roofing and waterproof materials, in rolls, of asphalt or of similar material (for example, petroleum bitumen, coal tar pitch, etc.)	58	65	63	56	64
<b>Manufacture of basic metals and fabricated metal products</b>					
Pig iron	90	88	92	93	94
Steel	84	84	84	85	82
Ferrous metal rolled products	79	80	78	82	80
Steel tubes	72	70	70	73	72
Watertube steam boilers	29	24	29	15	20
Super-heated steam watertube boilers	9.4	100	5.2	1.3	58
<b>Manufacture of machinery and equipment, electrical, electronic and optical equipment, transport equipment</b>					
Steam turbines and other vapour turbines	41	44	38	12	20
Hydraulic turbines and water wheels	100	68	46	72	25
Gas turbines, except turbo-jets, turbo-propellers	54	41	28	43	40
Centrifugal pumps, impellers for liquid pumping; other pumps; other liquid elevators	56	56	55	55	42
Other agricultural and forestry tractors	25	40	19	16	11



Continued table 15.4

	2010	2012	2013	2014	2015
Combine harvester-threshers	30	37	48	46	40
Machine tools	7.7	10	24	17	18
Forging and press equipment	38	40	39	18	21
Self-propelled bulldozers and angledozers	32	44	39	19	17
Excavators	28	12	12	16	12
Track-laying tractors	16	35	32	15	13
Spinning machines; doubling, twisting, reeling and winding machines	63	-	-	-	-
Weaving machines (looms)	0.4	9.4	5.5	11	5.4
Household refrigerators and freezers	68	65	61	53	46
Household washing machines	58	62	69	65	64
Electric motors of a power not exceeding 37.5 W; other electric motors and DC generators	38	28	23	20	22
Electric motors universal (AC/DC) of a power exceeding 37.5 W	46	42	38	32	33
Reception apparatus for television, including video monitors and video projectors	71	67	50	50	28
Motor car	57	80	68	59	43
Buses	29	50	44	35	34
Trolley buses	12	32	44	16	5.9
Trucks	31	47	45	39	34
Passenger coaches, main-line	59	47	43	47	21
Freight wagons, main-line	84	81	65	54	23
Motor-cycles	35	46	42	36	25
Bicycles and other cycles, not motorized	74	62	67	64	42

<sup>1)</sup> Excluding small businesses.

<sup>2)</sup> Since 2012 - including beer-based beverages (beer drinks).





## MAIN INDICATORS OF ORGANIZATIONS BY SELECTED ECONOMIC ACTIVITY

### 15.5. MAIN INDICATORS OF ORGANIZATIONS BY ECONOMIC ACTIVITY «MINING AND QUARRYING»

	2005	2010	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	7040	10116	12023	12623	12598	...
Volume of shipped own produced goods, works performed and services rendered., bln. roubles	3062	6218	9214	9691	11171	11712
Production index, percent of previous year	101.4	103.8	101.1	101.4	100.3	102.5
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	986	898	938	933	942	942
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	705254	1297897	1558058	2124346	2451513	2185996
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	35.6	31.9	22.1	19.2	24.9	27.2

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005 - 2015 – according to book-keeping data.



**15.6. MINING AND PROCESSING OF BASIC  
NATURAL MINERALS**

	2010	2012	2013	2014	2015	2016
Coal, mln. ton	322	357	353	357	372	385
Peat, not agglomerated, mln. ton	1.3	1.2	1.5	1.1	1.0	1.1
Crude oil, including gas condensate, mln. ton	506	519	522	526	534	549
Natural and associated gas, bln. cu. m	651	655	668	642	634	639
Iron ores concentrates, mln. ton	95.9	104	102	102	101	101
Ores and concentrates gold bearing, percent of previous year	101.6	107	110.9	109.8	97.4	102.6
Construction materials, non-ore, mln. cu. m	319	425	424	445	446	468
Salt, ground, thou. ton	834	562	474	495	723	769
Diamonds, natural, unsorted, percent of previous year	104.2	99.7	102.5	95.3	105.0	- <sup>1)</sup>

<sup>1)</sup>Since 2016 the information is no longer developed.

**15.7. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY  
«MANUFACTURING»**

	2005	2010	2012	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	212644	226491	256700	260216	263201	263142	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	8872	18881	25111	26840	29661	33087	33898
Production index, percent of previous year	107.6	110.6	105.1	100.5	102.1	94.6	100.1
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	9512	7810	7622	7531	7310	7159	6993



Continued table 15.7

	2005	2010	2012	2013	2014	2015	2016
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	955231	1690735	2226325	1475504	1132331	1837068	3190809
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	15.3	14.8	10.7	8.8	9.9	11.9	10.5

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.

**15.8. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY «MANUFACTURE OF FOOD PRODUCTS,  
INCLUDING BEVERAGES, AND TOBACCO»**

	2000	2005	2010	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	54032	40869	43263	44083	43971	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	1486	3262	4272	4840	5861	6260
Production index, percent of previous year	105.3	106.6	103.2	100.6	102.5	102.0	102.4
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	1641	1447	1317	1216	1190	1185	1176
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	64181	162649	184830	109215	228549	356578
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	7.9	10.8	8.6	9.1	9.9	9.6

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.



**15.9. PRODUCTION OF BASIC FOOD  
PRODUCTS, BEVERAGES, AND TOBACCO**

	2010	2012	2013	2014	2015	2016
Meat and by-products of slaughter bearing, thou. ton	1184	1342	1711	1992	2291	2561
Meat and sub products of poultry, thou. ton	2774	3405	3610	3979	4340	4457
Meat preparations (containing meat), chilled <sup>1)</sup> , thou. ton	515	764	862	1022	1126	1218
Meat preparations (containing meat) subfrozen and frozen, thou. ton	1110	1490	1642	1714	1785	1799
Sausages, including stuffed, thou. ton	1568	1597	1565	1560	1539	1539
Sausages, of heat-treated ingredients, thou. ton	67.6	80.1	80.7	79.9	92.3	98.5
Sausages, smoked, thou. ton	640	687	664	661	648	618
Canned meat (containing meat), mln. standard cans	572	586	591	627	527	490
Canned mixed meat and vegetables, mln. standard cans	98.3	104	102	119	122	111
Fish and fish products, processed and preserved, thou. ton	3556	3689	3789	3725	3829	3936
of which:						
canned fish, natural, mln. standard cans	209	212	211	203	202	190
canned fish, in tomato sauce, mln. standard cans	101	93.9	88.8	118	148	167
canned fish, in oil, mln. standard cans	212	203	182	183	193	166
preserves of gutted fish, in oils, sauces or extracts, mln. standard cans	134	108	99.8	109	112	132
Fruit and vegetable juices, mln. standard cans	2784	2629	2617	2612	1906	1582
Juices for children, mln. standard cans	3439	2786	2715	2697	2651	2754
Nectars and other fruit juice beverages, mln. standard cans	2287	2930	2843	2786	2494	2281
Vegetables and mushrooms, preserved otherwise than by vinegar or acetic acid, mln. standard cans	658	787	891	1026	1232	1316
Vegetables and mushrooms, preserved by vinegar or acetic acid, mln. standard cans	290	343	356	441	545	431
Vegetable raw oil (maize oil), thou. ton	3091	4192	3940	4981	4660	5148



Continued table 15.9

	2010	2012	2013	2014	2015	2016
Milk, liquid, processed, thou. ton	4944	5267	5386	5349	5447	5490
Sweet butter and buttery pastes, thou. ton	212	216	227	253	258	251
Cheese and curd, thou. ton	1120	1180	1167	1257	1386	1376
Concentrated milk products, mln. standard cans	883	873	860	833	828	847
Flour from grains, green and other crops; their mixtures, mln. ton	9.9	10.2	9.9	9.8	9.9	9.7
Cereal groats, meal; pallets of wheat, thou. ton	153	160	160	172	174	163
Cereal groats, meal and pellets, n.e.c., thou. ton	1126	1252	1193	1350	1256	1315
Forage, mln. ton	16.9	20.4	21.9	23.1	24.8	25.8
Bread and bakery products, non-durable storage, thou. ton	6816	6513	6369	6326	6309	6124
Bread and bakery products, durable storage, packed, thou. ton	91.7	103	102	108	118	119
Bread and bakery products of low humidity, thou. ton	231	236	240	254	271	270
Pastry, cakes, non-durable storage <sup>1)</sup> , thou. ton	329	341	337	365	350	349
Biscuits, gingerbread and similar products; sweet biscuits; waffles <sup>1)</sup> , thou. ton	1097	1186	1214	1304	1389	1412
Cacao, chocolate and saccharine confectioneries <sup>1)</sup> , thou. ton	1464	1581	1738	1781	1756	1793
White beet sugar in solid state, thou. ton	2782	4877	4468	4607	5135	5772
White cane sugar in solid state, thou. ton	1969	445	491	642	608	251
Pasta products, not stuffed, not cooked or otherwise prepared, thou. ton	1063	994	915	995	1014	1017
Vodka, mln. dkl	95.1	97.8	85.7	68.8	63.0	73.2
Liquors, with alcohol by volume less 25%, mln. dkl	3.4	3.7	3.4	2.9	2.8	2.7
Liquors, with alcohol by volume above 25%, mln. dkl	7.4	5.2	5.2	4.0	3.9	5.3



Continued table 15.9

	2010	2012	2013	2014	2015	2016
Cognac, mln. dkl	9.0	9.8	7.4	7.6	7.7	7.6
Sparkling and aerated wines <sup>2)</sup> , mln. dkl	22.0	20.5	17.2	16.3	16.0	14.7
Table wines, mln. dkl	45.1	36.7	33.4	34.8	39.9	36.8
Beer, except for brewing waste, lager <sup>3)</sup> , mln. dkl	984	974	888	823	780	781
Mineral waters and aerated waters, sugar-free and not flavoured, mln. half a liters	9438	10578	11081	11679	11400	11687
Aerated waters, containing added sugar or other sweetening matter or flavoured, mln. dkl	347	319	328	333	338	332
Alcohol-free beverages, n.e.c., other, mln. dkl	223	200	197	210	210	206
Cigarettes, bln. pieces	402	411	389	354	344	336
Russian cigarettes, bln. pieces	2.7	1.8	1.4	0.9	0.8	0.5

<sup>1)</sup> Excluding production of catering organizations.

<sup>2)</sup> Since 2013 – sparkling wines and champagne.

<sup>3)</sup> Since 2012 – including beer-based beverages (beer drinks).

**15.10. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY**

**«MANUFACTURE OF TEXTILES AND TEXTILE PRODUCTS»**

	2000	2005	2010	2012	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	15936	14194	15593	15703	15964	15802	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	101	205	212	243	264	283	344
Production index, percent of previous year	124.9	103.6	108.8	100.7	104.3	97.5	88.3	105.3
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	749	495	333	295	301	283	269	265
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	715	1164	6402	6801	2100	8043	22538
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	2.7	5.4	6.2	7.7	8.9	12.8	11.0

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.



**15.11. PRODUCTION OF BASIC  
TEXTILES AND TEXTILE PRODUCTS**

	2010	2012	2013	2014	2015	2016
Fabrics – total, bln. sq. m	3369	3972	4164	3995	4530	5409
of which:						
cotton	1542	1389	1311	1231	1121	1162
wool	20.7	14.1	12.8	11.7	11.0	10.5
linen	52.5	45.9	37.7	31.4	25.9	25.5
silk (natural), thou. sq. m	172	175	152	192	260	157
fabrics of synthetic and artificial fibers and filament (includ- ing staple fibres)	115	144	207	208	285	282
nonwoven (excluding sheet wadding)	1629	2369	2584	2500	3077	3904
Knitted wear, hosiery, mln. pairs	322	279	248	213	206	213
of which for child- ren	88.8	82.7	68.0	55.8	51.2	48.5
Knitted wear, mln. pieces	153	141	147	138	115	116
Sewing articles, thou. units:						
overcoats and semi-coats	1609	1469	1335	1279	1121	1150
jackets	2640	2409	2930	3451	1836	1970
suits	4857	4084	4624	5457	4763	4461
dresses, pinafores for women or girls	3652	6131	8042	9088	3508	3920
trousers, knicker- bockers (capris), shorts, mln. units	12.6	18.9	21.0	22.0	10.9	12.4



**15.12. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY «MANUFACTURE  
OF LEATHER, LEATHER PRODUCTS AND FOOTWEAR»**

	2000	2005	2010	2012	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	1661	1374	1566	1549	1483	1503	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	19.7	43.7	49.5	52.9	50.2	56.4	58.9
Production index, percent of previous year	107.6	100.2	119.9	98.1	95.6	97.2	88.6	105.1
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	118	70	57	54	50	47	44	43
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	437	894	1274	-4287	-2510	2363	2628
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	5.0	6.6	9.1	6.9	4.6	8.1	10.8

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.



**15.13. PRODUCTION OF BASIC  
LEATHER PRODUCTS AND FOOTWEAR**

	2010	2012	2013	2014	2015	2016
Leather products, hard, mln. sq. dm	52.4	41.3	22.8	19.0	6.5	2.9
Leather products, yuphta, mln. sq. dm	63.3	50.2	50.3	36.4	30.1	21.3
Leather products, chrome, mln. sq. dm	2689	2419	2223	1990	1941	2092
Footwear – total, mln. pairs	103	103	118	109	91.7	96.3
of which:						
waterproof footwear with outer soles and uppers of rubber or of plastics	18.6	18.7	20.8	16.5	14.8	16.6
with leather uppers	24.2	22.0	22.2	21.6	20.6	22.3
of which for children	8.1	7.6	7.6	7.3	7.2	8.7
footwear with textile uppers except sports footwear	32.1	34.6	45.3	38.8	28.5	29.6
of which for children, with textile uppers ex- cept sports footwear	8.1	6.9	4.6	2.9	3.3	4.6
felt	3.1	3.5	2.6	1.8	1.4	1.3
sports footwear	3.4	2.7	2.1	2.0	1.6	1.9



**15.14. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY «MANUFACTURE  
OF WOOD AND WOOD PRODUCTS»**

	2000	2005	2010	2012	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	19972	18669	20161	20115	19629	19319	...
Volume of shipped own produced goods, works performed and services, bln. roubles	...	145	264	355	377	396	449	479
Production index, percent of previous year	114.1	107.1	113.4	96.2	108.0	94.7	96.6	102.6
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	390	358	264	252	245	230	220	217
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	3017	2041	-4054	2880	-24464	-12857	55236
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	4.2	3.0	0.7	8.0	12.2	12.2	11.6

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.

**15.15. PRODUCTION OF BASIC WOOD PRODUCTS**

	2010	2012	2013	2014	2015	2016
Timber, sawn or chipped lengthwise, sliced or peeled, of a thickness exceeding 6 mm; railway and tram unimpregnated timber sleepers, mln. cu. m	21.9	21.2	21.7	21.5	22.0	22.8
Plywood, consisting solely of sheets of wood, thou. cu. m	2697	3201	3329	3569	3657	3759
Particle board and similar board of wood or other ligneous materials, thou. standard cu. m	5467	6778	6638	6822	7207	7370
Fiberboard and similar board of wood or other ligneous materials, mln. standard sq. m	404	469	427	469	502	554
Parquet, wooden plates, other, mln. sq. m	2.1	3.1	3.0	2.7	2.4	2.3

**15.16. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY**

**«MANUFACTURE OF PULP, PAPER AND PAPER PRODUCTS;  
PUBLISHING AND PRINTING»**

	2000	2005	2010	2012	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	19593	24153	27938	27946	27396	27404	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	315	636	743	766	824	999	1034
Production index, percent of previous year	118.0	103.6	103.1	105.8	94.8	100.4	93.7	100.8
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	415	393	364	325	319	302	290	280
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	20637	34710	39250	673707	928762	85570	133157
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	11.2	11.3	10.1	9.3	8.3	17.6	20.1

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.



**15.17. PRODUCTION OF BASIC  
PULP, PAPER AND PAPER PRODUCTS;  
PUBLISHING AND PRINTING**

	2010	2012	2013	2014	2015	2016
Pulp of wood and other cellulose materials, thou. ton	7510	7658	7211	7537	7875	8204
Paper, thou. ton	4688	4782	4765	5051	5073	5199
of which newsprint:						
thou. ton	1953	1816	1587	1635	1489	1469
bln. sq. m	43.5	40.8	35.6	37.5	34.0	33.7
Paperboard, thou. ton	2971	3032	3022	3099	3121	3340
Books and printed brochures, in single sheets (printed sheets-reprint), mln. units	3344	3278	3214	3068	2822	2620
Newspapers (copies of conventional circulation - in 4-full page calculation of A2 paper size), bln. units	18.6	19.5	17.6	16.5	13.7	12.6
Magazines (printed sheets-reprint), mln. units	7708	8855	9396	8974	6468	6020

**15.18. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY**

**«MANUFACTURE OF COKE AND REFINED PETROLEUM PRODUCTS»**

	2000	2005	2010	2012	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	795	822	980	1055	1110	967	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	1438	3522	5219	6031	6848	7043	7113
Production index, percent of previous year	102.4	104.4	106.0	103.1	102.3	105.7	100.3	97.6
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	216	136	109	109	113	119	122	123
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	335959	808791	1014725	673707	928762	522242	513359
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	21.4	25.5	12.8	9.3	8.3	7.1	4.0

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.



**15.19. MANUFACTURE OF COKE AND BASIC  
REFINED PETROLEUM PRODUCTS**  
(mln. ton)

	2010	2012	2013	2014	2015	2016
Metcoke of coal, carbonized at a high temperature	26.8	26.9	25.9	26.5	26.0	26.3
Oil, for refinement (primary crude oil processing)	250	272	281	295	287	285
Gasoline	36.0	38.2	38.8	38.3	39.2	40.0
Diesel fuel	70.0	69.4	71.6	77.0	76.0	76.2
Residual fuel oil	69.6	74.4	77.0	78.5	71.1	57.0

**15.20. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY**  
«MANUFACTURE OF CHEMICAL PRODUCTS»

	2000	2005	2010	2012	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	7620	7307	8330	8348	8466	8614	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	672	1427	1942	1886	2102	2670	2638
Production index, percent of previous year	115.2	104.1	110.6	104.1	105.4	100.1	106.3	105.3
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	707	563	431	398	390	381	383	392
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	71248	163963	279651	145871	-27130	356034	526777
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	19.3	19.2	21.2	15.6	21.0	31.4	24.5

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.



**15.21. PRODUCTION OF BASIC  
CHEMICALS AND CHEMICAL PRODUCTS**

	2010	2012	2013	2014	2015	2016
Sulfuric acid, oleum, mln. ton	10.2	11.0	10.3	10.2	10.4	11.6
Anhydrous ammonia, mln. ton	13.3	13.8	14.4	14.6	15.2	16.1
Mineral and chemical fertilizers (in equivalent of 100% nutritive substances), mln. ton	17.9	17.8	18.4	19.7	20.1	20.7
Plastics, in primary forms, thou. ton	4963	5517	6435	6643	7266	7730
Synthetic rubber, thou. ton	1379	1443	1480	1304	1444	1522
Methanol, poison, synthetic, thou. ton	2529	2717	2776	2805	2840	2955
Methanol, rectified, commercial, thou. ton	387	595	728	749	731	682
Crude methanol in equivalent of rectified spirits, thou. ton	26.1	16.1	16.8	18.6	26.9	21.8
Ethylene, thou. ton	2381	2301	2679	2395	2668	2823
Paints, varnishes, and similar coating materials, printing mas- tics, thou. ton	1076	1188	1253	1281	1215	1297
Chemical fibres and threads, thou. ton	135	139	153	155	157	173

**15.22. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY  
«MANUFACTURE OF RUBBER AND PLASTICS PRODUCTS»**

	2000	2005	2010	2012	2013	2014	2015	2016
Number of acting organi- zations and their economi- cally autonomous subdivi- sions (end of year)	...	6618	10885	13027	13424	13690	13680	...
Volume of shipped own produced goods, works per- formed and services ren- dered, bln. roubles	...	199	515	636	670	692	793	877
Production index, percent of previous year	126.1	116.4	124.4	112.8	105.9	107.5	96.3	105.4
Average annual number of employees of organiza- tions <sup>1)</sup> , thou. persons	207	257	245	246	247	239	233	231
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	9157	15205	29524	22182	-1264	19731	38572
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	4.6	6.7	7.6	7.1	6.2	7.3	7.7

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.



**15.23. PRODUCTION OF BASIC  
RUBBER AND PLASTICS PRODUCTS**

	2010	2012	2013	2014	2015	2016
New tires and inner tubes, of rubber, mln. pieces	43.6	50.6	50.9	52.4	57.6	61.2
of which:						
new pneumatic tires, for motor cars	26.6	32.0	34.0	34.6	37.9	41.0
tires, for trucks, buses and trolley buses	8.4	8.2	7.2	6.7	6.7	7.5
pneumatic tires, for agricultural vehicles, new tires, other	1.4	1.4	1.4	1.3	1.4	1.8
Tubes, pipes, hoses, tubes and fittings therefore, of polymers, thou. ton	375	663	578	582	507	546
Floor, wall, ceiling coverings of polymers, in rolls or in the form of tiles, mln. sq. m	250	390	364	435	526	477

**15.24. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY «MANUFACTURE OF OTHER  
NON-METALLIC MINERAL PRODUCTS»**

	2000	2005	2010	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	13182	16395	19474	20253	20382	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	426	827	1217	1254	1245	1202
Production index, percent of previous year	110.6	104.9	114.5	98.0	101.8	92.2	93.4
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	787	649	561	551	541	512	464
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	28809	29466	45068	-17957	-19568	70508
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	12.3	8.1	8.7	8.2	7.5	9.4

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.



**15.25. PRODUCTION OF BASIC  
OTHER NON-METALLIC MINERAL PRODUCTS**

	2010	2012	2013	2014	2015	2016
Glazed ceramic wall tiles for inner finish of walls, mln. sq. m	57.4	65.6	70.4	71.6	76.7	69.7
Ceramic floor tiles, mln. sq. m	70.0	88.2	92.6	93.2	91.8	89.7
Ceramic nonrefractory building bricks, bln. standard bricks	5.5	7.0	7.2	7.5	6.7	5.6
Building bricks (including stones) of cement, of concrete or of artificial stone, bln. standard bricks	3.2	3.9	4.1	4.5	3.8	2.6
Portland cement, aluminous cement, slag cement and similar hydraulic cements, mln. ton	50.4	61.7	66.5	69.1	62.1	55.0
Building blocks, small, of concrete, mln. standard bricks	493	527	561	628	663	599
Small building blocks, of multicellular concrete, bln. standard bricks	5.2	7.4	8.1	9.2	9.1	8.1
Building blocks, big (including those of basement walls) of concrete, mln. standard bricks	673	796	826	722	597	474
Constructions and details precast reinforced concrete, mln. cu. m	21.8	25.6	27.2	27.2	22.3	18.7
Sheets of asbestos-cement (corrugated) (slate), mln. units, standard plates	1044	633	663	476	395	453
Tubes and couplings of asbestos-cement, thou. km standard tubes	8.3	7.6	7.0	6.2	4.5	4.1
Roofing and waterproof materials, in rolls, of asphalt or of similar material (petroleum bitumen, coal tar pitch, etc.), mln. sq. m	472	530	511	503	489	477





**15.26. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY  
«MANUFACTURE OF BASIC METALS  
AND FABRICATED METAL PRODUCTS»**

	2000	2005	2010	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	16565	23680	29918	30976	31169	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	1903	3424	3955	4565	5388	5181
Production index, percent of previous year	115.3	107.0	112.4	100.0	100.6	93.5	97.7
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	1258	1220	970	991	954	926	898
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	337248	351317	147995	94407	505649	1018541
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	26.7	19.1	9.9	16.4	21.7	20.0

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.

**15.27. PRODUCTION OF BASIC METALS  
AND FABRICATED METAL PRODUCTS**

	2010	2012	2013	2014	2015	2016
Pig iron, mln. ton	48.0	50.5	49.9	51.5	52.4	51.9
Steel, mln. ton	66.8	70.4	68.9	70.5	69.4	69.6
Ferrous metal rolled products, mln. ton	55.0	60.0	59.2	61.2	60.4	60.3
Flat-rolled products, coated, mln. ton	3.6	4.7	5.4	5.6	5.5	5.4
Steel tubes, mln. ton	9.2	9.7	10.1	11.3	11.4	10.1
Primary aluminium, percent of previous year	98.4	98.5	89.5	94.1	95.5	101.4



Continued table 15.27

	2010	2012	2013	2014	2015	2016
Lead, unwrought, percent of previous year	107.5	102.6	87.0	95.8	113.5	91.4
Zinc, unwrought, not alloyed, percent of previous year	116.5	101.3	87.5	102.8	87.1	104.7
Copper, refined, not alloyed, unwrought, percent of previous year	104.5	96.7	98.3	101.9	98.1	100.7
Nickel, unwrought, percent of previous year	103.4	96.4	97.5	98.2	95.1	82.9
Prefabricated buildings of steel, mln. ton	3.4	4.2	4.3	3.3	3.5	3.5

**15.28. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY  
«MANUFACTURE OF MACHINERY AND EQUIPMENT»**

	2000	2005	2010	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	22842	24312	28068	28175	28210	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	477	1013	1352	1373	1460	1461
Production index, percent of previous year	105.7	99.7	115.2	96.6	92.2	88.9	103.8
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	2081	1205	839	793	754	721	682
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	22855	36659	45832	-5365	36385	93077
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	8.2	6.9	7.1	6.2	7.5	7.4

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.



**15.29. PRODUCTION OF BASIC  
MACHINERY AND EQUIPMENT**

	2010	2012	2013	2014	2015	2016
Steam turbines and other vapour turbines, mln. kW	4.2	3.5	3.1	1.0	1.8	0.7
Hydraulic turbines and water wheels, mln. kW	3.0	2.7	1.4	2.2	0.7	1.2
Gas turbines, except turbo-jets, turbo-propellers, mln. kW	2.1	1.7	1.1	1.4	1.1	1.4
Centrifugal pumps, impellers for liquid pumping; other pumps; other liquid elevators, mln. pieces	1.5	1.5	1.8	2.2	1.4	1.6
Other agricultural and forestry tractors, thou. pieces	6.9	13.6	7.6	6.7	5.5	6.4
Combines harvester-threshers, thou. pieces	4.3	5.8	5.8	5.5	4.4	6.4
Forage harvesters self-propelled, pieces	268	890	431	240	379	496
Milking machines, thou. pieces	2.5	3.7	5.4	4.6	10.8	10.0
Machine tools, thou. pieces	2.8	3.5	2.9	3.9	3.4	3.9
Forging and press equipment, pieces	2218	2098	2162	2336	3200	2423
Steel melting equipment and casting machines, thou. ton	23.9	24.1	21.5	17.2	52.8	31.7



Continued table 15.29

	2010	2012	2013	2014	2015	2016
Rolling equipment, thou. ton	2.5	1.9	1.8	0.5	0.5	0.9
Self-propelled bulldozers and angledozers, pieces	911	1371	1180	718	577	501
Excavators, thou. pieces	2.1	1.9	1.8	1.9	1.4	1.4
Track-laying tractors, pieces	759	1232	1132	497	403	452
Spinning machines; doubl- ing, twisting, reeling and winding machines, pieces	33	34	21	23	8	9
Weaving machines (looms), pieces	5	64	43	79	42	7
Household refrigerators and freezers, mln. pieces	3.6	4.3	4.1	3.7	3.1	3.3
Household washing ma- chines, mln. pieces	2.8	3.4	3.9	3.9	3.5	4.0
Household vacuum cleaners, thou. pieces	225	60.6	52.7	55.1	36.0	13.1
Electric kettles, thou. pieces	230	256	264	80.4	152	74.5
Household microwave ovens, thou. pieces	1228	1058	925	1262	586	309
Household cookers, incorporating an oven and panel with electro-thermic elements, thou. pieces	491	351	313	335	390	437

**15.30. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY «MANUFACTURE  
OF ELECTRICAL, ELECTRONIC AND OPTICAL  
EQUIPMENT»**

	2000	2005	2010	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	14386	19388	22068	22502	22630	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	452	1132	1536	1716	1947	2052
Production index, percent of previous year	125.0	133.2	118.9	99.0	99.5	92.1	99.0
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	1034	887	760	758	749	760	751
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	21851	50197	67171	74545	118755	132225
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	8.4	9.1	8.1	9.9	10.6	11.6

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.



**15.31. PRODUCTION OF BASIC  
ELECTRICAL, ELECTRONIC  
AND OPTICAL EQUIPMENT**

	2010	2012	2013	2014	2015	2016
Cash registers, thou. pieces	310	324	345	408	341	388
Electric motors of a power less 37.5 W; other electric motors and DC generators, mln. pieces	1.7	1.3	1.2	0.8	0.8	1.1
Electric motors universal (AC/DC) of a power above 37.5 W, thou. pieces	495	415	385	320	325	379
Electric AC motors multi-phasic, of a power above 750 W, but less 75 kW, thou. pieces	239	234	242	212	206	275
Lead-acid accumulators, for starting piston engines (starter), mln. pieces	6.1	6.1	6.1	6.7	7.5	8.4
Reception apparatus for television, including video monitors and video projectors, mln. pieces	12.0	16.2	14.7	16.3	9.0	8.3
Instant print cameras and other cameras, thou. pieces	2.6	0.8	0.2	-	-	-



**15.32. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY «MANUFACTURE  
OF TRANSPORT EQUIPMENT»**

	2000	2005	2010	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	...	4663	5751	6164	6460	6449	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	...	833	1670	3162	3180	3043	3133
Production index, percent of previous year	110.7	107.1	127.2	102.2	108.5	91.5	97.0
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	1408	1201	997	1031	997	964	943
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	...	15433	-6282	61394	-32964	-90607	77740
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	...	6.9	4.8	4.4	4.3	4.9	4.4

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.

**15.33. PRODUCTION OF BASIC  
TRANSPORT EQUIPMENT**

	2010	2012	2013	2014	2015	2016
Motor car, thou. pieces	1210	1964	1925	1695	1215	1122
Buses, thou. pieces	40.9	58.6	53.2	44.0	36.4	43.2
Trolley buses, pieces	406	390	526	164	62	210
Trucks, thou. pieces	155	212	207	153	128	137
Fire apparatus, thou. pieces	2.1	2.6	2.1	1.3	1.3	1.0
Passenger coaches, main-line, pieces	1234	880	760	872	412	650
Freight wagons, main-line, thou. pieces	50.5	71.7	60.1	55.1	28.7	36.6
Motor-cycles, thou. pieces	10.4	26.8	81.3	46.8	20.2	12.9
Bicycles and other cycles, not motorized, thou. pieces	1288	1674	2014	2173	1179	892



**15.34. MAIN INDICATORS OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY « ELECTRICITY,  
GAS AND WATER SUPPLY »**

	2005	2010	2011	2013	2014	2015	2016
Number of acting organizations and their economically autonomous subdivisions (end of year)	39076	40384	40043	39808	40172	39502	...
Volume of shipped own produced goods, works performed and services rendered, bln. roubles	1691	3665	4219	4492	4712	4833	5164
Production index, percent of previous year	100.9	102.2	100.2	97.5	99.9	98.4	101.5
Average annual number of employees of organizations <sup>1)</sup> , thou. persons	1861	1839	1845	1829	1814	1795	1741
Balanced financial result (profit less loss) <sup>2)</sup> , mln. roubles	68826	343584	99860	76603	24056	183309	706585
Profitability of goods, products (works, services) sold <sup>2)</sup> , percent	5.3	7.1	6.4	4.4	3.7	5.0	7.8

<sup>1)</sup> For 2014 - without account to data on the Crimean federal district.

<sup>2)</sup> 2005-2015 – according to book-keeping data.

**15.35. ELECTRICITY, GAS AND WATER SUPPLY**

	2010	2012	2013	2014	2015	2016
Electricity, bln. kW-h	1038	1069	1059	1064	1068	1087
of which produced by:						
thermal power stations	699	726	703	707	701	703
hydro-power stations	168	165	183	175	170	186
nuclear power stations	171	178	173	181	196	197
unconventional power stations	0.5	0.5	0.4	0.7	0.9	1.0
Heat power, mln. Gcal	1370	1337	1293	1322	1244	1273





## 16. AGRICULTURE AND FORESTRY

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The section contains information related to structural changes in agricultural production, development of private sector in rural areas, the state of material-and-technical base of agriculture, plant-growing and animal husbandry, food resources and their use, etc. The data are given for the entire agriculture and by categories of agricultural producers. Basic information on forestry is also presented.

For category «**agricultural enterprises**» presented is data on economic partnerships (including Limited Liability Companies, public or non-public joint-stock companies), productive cooperatives, unitary enterprises, subsidiary farms of nonagricultural organizations.

**Household enterprises** relate to private subsidiary and other plots in rural and urban settlements, individual citizen's farms with land plots at horticultural, garden and dacha (cottage) associations.

**Private subsidiary farms** – a form of non-entrepreneurial activity to produce and process agricultural production carried out by personal labour of a citizen and members of his/her household at a land plot (provided in use or purchased) to meet their needs. Land for farming can consist of backyard and field plots.

**Horticultural, garden and dacha non-profit associations** of citizens – is non-profit organization established by citizens on voluntary basis to resolve common social and business tasks to maintain challenges of gardening and cottage household.

**Peasant (farm) enterprise** represents an union of citizens, bound by relative relation and (or) by an attribute, having property in common ownership and performing jointly production or other business activity (production, processing, storage, transportation and sale of agricultural products) on the basis of their personal participation.



**Individual entrepreneur by agricultural activity** – a citizen (private person), engaged in entrepreneurship and without status of legal entity from the time of his (her) registration in accordance with the Citizen Code of the Russian Federation, and declared in the Certificate of state registration kinds of his/her activities related to agricultural activities according to the Russia classification of kinds of economic activity (OKVED).

**Agricultural production** is the sum of crop-growing and animal husbandry outputs of all agricultural producers including enterprises of private sector (household enterprises, peasant (farms) enterprises and individual entrepreneurs) in value terms at actual current prices.

**Production of crop-growing** includes the cost of raw products from the harvest gathered in the reporting year - grains and grain-legumes, potatoes, vegetables, oil seeds and oleaginous fruits, tobacco unmanufactured and home-grown brands, sugar beets, straw and forage crops, vegetable raw materials, used in manufacture of textiles, plants used for perfumery, pharmaceuticals and similar purposes, sugar beet seeds, seeds of forage crops, live plants, flowers and cut flower buds, seeds of flowers, fruit trees, seeds of vegetables, grapes, fruit, berries and nuts, plants for the manufacture of beverages, spices, not processed and the change in the cost of production in progress of plant growing from the beginning to the end of year (planting and growing up to ripening of agricultural crops and perennial plantations).

**Production of animal husbandry** includes the cost of raw products obtained as the result of growing and making use of agricultural livestock and poultry (milk, wool, eggs etc.), the cost of breeding (offspring, increase, gain in weight) of cattle and poultry in the reference year, the cost of bee-keeping, etc.

To compile index of agricultural production the indicator of the production volume at comparable prices of previous year is used.

Agricultural production index – the relative indicator characterizing changes in the volume of plant growing and animal products produced in comparable periods.



**Arable land** is land systematically cultivated used for sowing of agricultural crops. Including sowing of perennial grasses and complete fallows.

**Cultivated area** - a part of arable land used for sowing of agricultural crops.

**Gross harvest of agricultural crops** includes the volume of harvested products from main, repeated and intra-row sowings of agricultural organizations, peasant (farms) enterprises, individual entrepreneurs and household enterprises.

**Livestock population** includes livestock covering all age groups of a respective kind of cattle.

**Production of livestock and poultry for slaughter** – is the indicator characterizing the result of use of livestock and poultry for meat slaughter. Total volume of production of livestock and poultry for slaughter reflects in recalculation in slaughter weight and includes both livestock and poultry sold for slaughter and also slaughtered in agricultural organizations, peasant (farm) enterprises, individual entrepreneurs and household enterprises.

**Milk production** is characterized by actually produced milk of cows, goats, horses and buffalo irrespective of the fact whether it was sold or used in the farm for feeding calves or piglets. Milk sucked by calves being kept sucking is not included into the production and is not recorded while estimating average milk yield.

To determine **the average annual yield of milk per cow** in agricultural organizations, the production of milk from the cows of the milk herd is divided by their average number.

**Wool production** includes all volume of sheep and goat wool and goat down actually shorn. Excluded is the wool produced while sheep's skin undergoes industrial processing into leather.

**Eggs production** includes all eggs collected during the year from all types of poultry including eggs used for poultry reproduction (incubation, etc.).

Information concerning **food resources and their use** is compiled on the basis of data of the federal state statistical observation, data of household surveys, customs statistics and other data



sources characterizing food resources formation and their use during the calendar year.

**Forest Fund** – a part of the country's territory (constituent entity of the Russian Federation), occupied by forest, as well as not occupied by it, but designed for the needs of forestry, includes: a set of forest lands and non-forest lands (occupied by arable, hayfields, pastures, waters, roads, paths, estates, marshes, sand, etc.).

**Forest lands** - land covered with forest vegetation (forest) and that without it, but designed for its restoration: unclosed forest cultures, forest nurseries and plantations, natural sparse forest; reforestation fund (fire sites, failed plantations, clearings, waste grounds).

**Land covered with forest vegetation (forest):**

land occupied by forest vegetation of natural and artificial origin with the fullness of 0.4 and above, at the age of saplings, and with the fullness of 0.3 and above in age, exceeding the age of the saplings;

land occupied by bushes, on which, by natural and geographical conditions tree species can not grow or on which shrub farm are specifically organized (common osiers and high tannin willows, nut and industrial crops);

plantation of forest tree species, designed to accelerate the growth of forest stands in order to get targeted assortments, or wood pulp for chemical processing (forest plantation crops are considered as artificial forest plantations)

**Reforestation** – measures undertaken for the regeneration of forest on cut over land, burnt spots, wasteland, glades and other places previously being under forest. Reforestation includes planting and seeding of forest and assistance for forest natural rehabilitation.

**Artificial reforestation** is carried out by planting seedlings, saplings, grafts or sowing seeds of forest plants.



## AGRICULTURE

### MAIN AGRICULTURAL INDICATORS

#### 16.1. AGRICULTURAL PRODUCTION BY TYPES OF ENTERPRISES

(at actual prices; bln. roubles; 1992 – trln. roubles)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Enterprises of all types</b>									
Agricultural production	2.7	742.4	1380.9	2587.8	3339.2	3687.1	4319.1	5165.7	5626.0
including:									
crop-growing	1.3	394.7	669.8	1191.5	1636.4	1918.8	2222.5	2791.4	3170.5
animal husbandry	1.4	347.7	711.1	1396.3	1702.8	1768.3	2096.6	2374.3	2455.5
<b>Agricultural enterprises</b>									
Agricultural production	1.8	335.6	615.6	1150.0	1600.8	1756.0	2139.0	2658.0	2970.5
including:									
crop-growing	0.9	189.0	294.4	485.9	738.1	840.6	974.1	1307.2	1573.5
animal husbandry	0.9	146.6	321.2	664.1	862.7	915.4	1164.9	1350.8	1397.0
<b>Household enterprises</b>									
Agricultural production	0.9	383.2	681.0	1250.4	1440.9	1569.8	1750.3	1932.7	1953.3
including:									
crop-growing	0.4	188.5	311.4	572.1	677.0	800.4	917.9	1024.2	1019.8
animal husbandry	0.5	194.7	369.6	678.3	763.9	769.4	832.4	908.5	933.5
<b>Peasant (farm) enterprises <sup>1)</sup></b>									
Agricultural production	0.03	23.6	84.3	187.4	297.5	361.3	429.8	575.0	702.2
including:									
crop-growing	0.02	17.2	64.0	133.5	221.3	277.8	330.5	460.0	577.2
animal husbandry	0.01	6.4	20.3	53.9	76.2	83.5	99.3	115.0	125.0

<sup>1)</sup> Including individual entrepreneurs.



**16.2. AGRICULTURAL PRODUCTION  
BY TYPES OF ENTERPRISES**  
(at constant prices; percent of total)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Enterprises of all types</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:									
agricultural enterprises	67.1	45.2	44.6	44.5	47.9	47.6	49.5	51.5	52.8
household enterprises	31.8	51.6	49.3	48.3	43.2	42.6	40.5	37.4	34.7
peasant (farm) enterprises <sup>1)</sup>	1.1	3.2	6.1	7.2	8.9	9.8	10.0	11.1	12.5

<sup>1)</sup> Including individual entrepreneurs.

**16.3. INDICES OF AGRICULTURAL PRODUCTION  
BY TYPES OF ENTERPRISES**  
(at constant prices ; percent of previous year)

Years	Enterprises of all types	of which		
		agricultural enterprises	household enterprises	peasant (farm) enterprises <sup>1)</sup>
1992	90.6	82.7	108.1	in 5.7times
1995	92.0	84.6	103.4	97.4
2000	106.2	106.4	105.3	121.9
2005	101.6	103.1	98.9	110.5
2010	88.7	89.4	88.8	83.9
2012	95.2	94.9	96.7	89.2
2013	105.8	108.4	100.3	118.4
2014	103.5	106.7	98.5	110.4
2015	102.6	104.6	99.1	107.6
2016	104.8	107.7	98.5	114.3

<sup>1)</sup> Including individual entrepreneurs.

### 16.4. PRODUCTION OF BASIC AGRICULTURAL PRODUCTS BY TYPES OF ENTERPRISES

(percent of total production volume)

	1992	2000	2010	2012	2013	2014	2015	2016
<b>Agricultural enterprises</b>								
Grains (weight after processing)	97.4	90.8	77.1	76.8	74.5	73.7	72.7	71.4
Sugar beet	97.8	94.5	88.7	87.6	89.6	89.2	89.0	88.1
Sunflower seeds <sup>1)</sup>	93.0	84.3	73.0	72.1	70.5	70.1	70.3	68.7
Potatoes	21.2	7.5	10.5	13.1	10.9	12.1	13.8	13.6
Vegetables	44.5	22.9	17.1	17.1	16.3	16.5	17.9	18.9
Fruit and berries	49.0	15.7	15.0	21.8	21.2	21.5	21.6	23.7
Livestock and poultry for slaughter (slaughter weight)	64.0	40.2	60.6	66.9	70.3	72.4	74.5	76.1
Milk	68.1	47.3	44.9	46.5	46.0	46.7	47.8	49.0
Eggs	73.9	70.8	77.1	78.0	78.1	77.8	78.5	79.1
Wool (physical weight)	67.0	37.8	19.7	17.8	18.3	17.9	17.0	...
<b>Household enterprises</b>								
Grains (weight after processing)	0.5	0.8	1.0	1.0	0.9	1.0	1.0	0.9
Sugar beet	0.2	0.6	0.4	0.4	0.5	0.5	0.4	0.2
Sunflower seeds <sup>1)</sup>	1.2	1.2	0.6	0.5	0.4	0.5	0.4	0.4
Potatoes	78.0	91.2	84.0	78.9	82.3	80.4	77.6	77.9
Vegetables	54.7	74.7	71.5	69.1	69.4	69.9	67.0	66.5
Fruit and berries	50.7	84.1	82.8	76.6	77.3	76.7	76.3	74.4
Livestock and poultry for slaughter (slaughter weight)	35.3	58.0	36.5	30.2	26.9	24.7	22.6	21.0
Milk	31.4	50.9	50.4	48.1	48.1	47.1	45.6	44.0
Eggs	26.0	28.8	22.1	21.2	21.2	21.4	20.6	19.9
Wool (physical weight)	32.2	56.8	54.4	52.0	49.1	49.0	49.2	...
<b>Peasant (farm) enterprises <sup>2)</sup></b>								
Grains (weight after processing)	2.1	8.4	21.9	22.2	24.6	25.3	26.3	27.7
Sugar beet	2.0	4.9	10.9	12.0	9.9	10.3	10.6	11.7
Sunflower seeds <sup>1)</sup>	5.8	14.5	26.4	27.4	29.1	29.4	29.3	30.9
Potatoes	0.8	1.3	5.5	8.0	6.8	7.5	8.6	8.5
Vegetables	0.8	2.4	11.4	13.8	14.3	13.6	15.1	14.6
Fruit and berries	0.3	0.2	2.2	1.6	1.5	1.8	2.1	1.9
Livestock and poultry for slaughter (slaughter weight)	0.7	1.8	2.9	2.9	2.8	2.9	2.9	2.9
Milk	0.5	1.8	4.7	5.4	5.9	6.2	6.6	7.0
Eggs	0.1	0.4	0.8	0.8	0.7	0.8	0.9	1.0
Wool (physical weight)	0.8	5.4	25.9	30.2	32.6	33.1	33.8	...

<sup>1)</sup> Since 2010 – weight after processing.<sup>2)</sup> Including individual entrepreneurs.

**16.5. BASIC INDICATORS OF PRODUCTION ACTIVITY  
OF AGRICULTURAL ENTERPRISES**

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Land in crops, mln. ha	108.7	74.2	60.5	56.1	55.7	56.1	55.3	55.1	54.7
including:									
grains and legumes	60.0	40.7	34.7	32.0	32.1	32.6	32.1	32.1	31.9
industrial crops	5.6	5.3	5.5	7.9	8.3	8.7	8.7	9.0	9.5
potatoes , vegetables and melons	1.4	0.5	0.3	0.4	0.4	0.3	0.3	0.3	0.3
forage crops	41.7	27.7	20.0	15.8	14.9	14.5	14.1	13.7	13.0
Livestock population (end of year), mln. heads:									
cattle	40.2	16.5	11.1	9.3	9.1	8.8	8.5	8.5	8.4
including cows	13.7	6.5	4.3	3.7	3.7	3.5	3.4	3.4	3.4
hogs and pigs	23.5	8.5	7.3	10.8	13.7	14.7	15.6	17.6	18.4
sheep and goats	32.7	4.6	4.3	4.4	4.6	4.4	4.4	4.4	4.2
Production of agricul- tural products, mln. ton:									
grains (weight after processing)	104.1	59.4	62.7	47.0	54.4	68.9	77.6	76.2	86.2
sugar beet	25.0	13.3	18.8	19.7	39.5	35.2	29.9	34.7	45.2
sunflower seeds <sup>1)</sup>	2.9	3.3	4.7	3.9	5.4	6.9	5.9	6.5	7.6
flax-fiber, thou. ton	76.4	48.4	52.6	30.4	38.1	32.4	31.4	34.6	31.4
potatoes	8.1	2.2	2.4	2.2	3.9	3.3	3.8	4.7	4.2
vegetables	4.5	2.5	2.1	2.1	2.5	2.4	2.6	2.9	3.1
livestock and poultry for slaughter (slaughter weight)	5.3	1.8	2.3	4.4	5.4	6.0	6.6	7.1	7.5
milk	32.2	15.3	14.0	14.3	14.8	14.0	14.4	14.7	15.0
eggs, bln. pieces	31.7	24.2	27.3	31.3	32.8	32.3	32.6	33.4	34.4
wool (physical weight), thou. ton	120	15	12	11	10	10	10	10	...

<sup>1)</sup> Since 2012 – weight after processing.



**16.6. PRODUCTION OF BASIC AGRICULTURAL PRODUCTS IN HOUSEHOLD ENTERPRISES**

(mln. ton)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Potatoes	29.9	26.9	25.0	17.8	23.3	24.8	25.3	26.1	24.2
Vegetables	5.5	8.1	8.4	8.7	10.1	10.2	10.8	10.8	10.8
Fruit and berries	2.0	2.3	1.9	1.8	2.0	2.3	2.3	2.2	2.5
Livestock and poultry for slaughter (slaughter weight)	2.9	2.5	2.6	2.6	2.5	2.3	2.2	2.2	2.1
Milk	14.8	16.4	16.1	16.0	15.3	14.7	14.5	14.1	13.5
Eggs, bln. pieces	11.2	9.8	9.5	9.0	8.9	8.7	9.0	8.8	8.7
Wool (physical weight), thou. ton	57	23	27	29	29	27	27	27	...

**16.7. PRODUCTION OF BASIC AGRICULTURAL PRODUCTS BY PEASANT (FARM) ENTERPRISES <sup>1)</sup>**

(thou. ton)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Grains (weight after processing)	2232	5513	14272	13339	15740	22749	26600	27517	33388
Sugar beet	512	690	2232	2419	5423	3892	3454	4147	6018
Sunflower seeds <sup>2)</sup>	180	567	1772	1413	2050	2870	2491	2717	3400
Potatoes	307	375	802	1175	2372	2052	2365	2895	2654
Vegetables	78	263	781	1388	2013	2094	2101	2427	2379
Livestock and poultry for slaughter (slaughter weight)	56	80	119	210	231	236	263	279	285
Milk	248	568	981	1484	1719	1804	1918	2035	2159
Eggs, mln. pieces	24	141	260	303	333	300	321	369	425
Wool (physical weight)	1.4	2.2	9.6	14	16	18	19	19	...

<sup>1)</sup> Including individual entrepreneurs.<sup>2)</sup> Since 2012 – weight after processing.

**16.8. FLEET OF MAIN MACHINERY  
IN AGRICULTURAL ENTERPRISES <sup>1)</sup>**  
(end of year; thou. pieces)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Tractors <sup>2)</sup>	1290.7	746.7	480.3	310.3	276.2	259.7	247.3	233.6	223.4
Ploughs	460.3	237.6	148.8	87.7	76.3	71.4	67.8	64.1	61.6
Cultivators	541.6	260.1	175.5	119.8	108.7	102.2	97.8	93.2	90.3
Seeding machines	582.8	314.9	218.9	134.0	115.4	107.5	100.7	93.6	87.7
Combines:									
grain harvesters	370.8	198.7	129.2	80.7	72.3	67.9	64.6	61.4	59.3
maize harvesters	10.0	4.4	2.2	1.1	0.8	0.7	0.7	0.8	0.7
forage harvesters	120.1	59.6	33.4	20.0	17.6	16.1	15.2	14.0	13.3
potato harvesters	30.9	10.0	4.5	2.9	2.7	2.6	2.4	2.3	2.2
flax harvesters	8.5	3.2	1.8	0.7	0.6	0.5	0.4	0.4	0.3
Beet harvesting machines (except beet tops pickers)	24.7	12.5	7.2	3.2	2.8	2.5	2.4	2.2	2.2
Mowers	208.2	98.4	63.9	41.3	37.5	35.6	33.9	32.2	31.0
Pick-up attachments to harvesters	79.5	44.0	32.4	24.1	23.7	22.7	21.9	20.9	20.4
Reaping machines (on rollers)	218.7	85.2	46.9	27.0	23.6	22.3	21.2	19.7	19.0
Water-sprinkling machines and units	69.5	19.2	8.6	5.4	5.2	5.2	5.7	5.9	6.0
Scattering machines for solid mineral fertilizer	111.3	34.3	19.7	16.6	16.3	15.8	15.8	15.5	15.7
Fertilizer applicators of:									
solid organic	80.0	22.0	10.9	6.5	5.6	5.2	5.1	4.8	4.7
liquid organic	38.6	12.1	5.8	3.9	3.7	3.6	3.7	3.6	3.6
Spraying and dusting machines, tractor	88.6	32.5	24.6	23.2	23.1	22.7	23.1	22.4	22.8
Milking units and aggregates	197.5	88.7	50.3	31.4	28.6	27.3	26.3	25.1	24.1

<sup>1)</sup> Since 2010 - except micro enterprises.

<sup>2)</sup> Excluding tractors with mounted earth digging, reclaiming and other machinery.



**16.9. INVENTORY OF TRACTORS AND HARVESTERS  
IN AGRICULTURAL ENTERPRISES <sup>1)</sup>**  
(end of year)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Number of tractors per 1000 ha of arable land, units	11	7	6	4	4	4	3	3	3
Arable land per a tractor, ha	92	135	181	236	258	274	290	307	305
Number of harvesters used per 1000 ha of cultivated lands (plantation) of relevant crops, units:									
combines									
grain harvesters	6	5	4	3	3	3	2	2	2
maize harvesters	15	8	5	1	1	0.0	0.0	0.0	0.0
potato harvesters	33	46	32	16	16	18	17	15	15
flax harvesters	27	32	22	24	16	15	16	14	13
beet harvesting machines (except beet tops pickers)	17	16	11	4	3	3	3	3	2
Sowing land (plantation) of relevant crops, ha:									
per one combines									
grain harvesters	160	198	253	327	369	399	408	422	425
maize harvesters	67	120	215	817	1517	2008	2362	2008	2497
potato harvesters	30	22	31	62	64	57	58	67	65
flax harvesters	38	31	46	42	64	66	64	70	75
per one beet harvesting machines (except beet tops pickers)	60	62	93	278	327	305	337	396	423

<sup>1)</sup> Since 2010 - except micro enterprises.



**16.10. USE OF MINERAL FERTILIZERS FOR CROPS  
BY AGRICULTURAL ENTERPRISES <sup>1)</sup>**

	2000	2005	2010	2012	2013	2014	2015	2016
Mineral fertilizers used (in 100% nutrient equivalent):								
total, mln. ton	1.4	1.4	1.9	1.9	1.8	1.9	2.0	2.3
per hectare, kg:								
of total land in crops	19	25	38	38	38	40	42	49
of which:								
grains and grain- legumes (excluding maize)	20	29	41	40	40	42	45	51
sugar beet	119	252	276	272	260	255	274	294
flax-fiber	73	51	50	42	38	28	33	42
sunflower seeds	6	15	24	26	26	28	25	32
vegetables and melons	84	114	179	160	173	172	166	195
potatoes	155	181	263	244	268	306	328	326
forage crops	13	9	12	14	13	13	14	16
Share of fertilized area in total cultivated area, percent	27	32	42	45	46	47	48	53

<sup>1)</sup> Since 2010 - except micro enterprises.



**16.11. USE OF ORGANIC FERTILIZERS FOR CROPS  
BY AGRICULTURAL ENTERPRISES <sup>1)</sup>**

	2000	2005	2010	2012	2013	2014	2015	2016
Organic fertilizers used:								
total, mln. ton	66.0	49.9	53.1	54.2	55.7	61.6	64.2	65.2
per hectare, ton:								
of total land in crops	0.9	0.9	1.1	1.1	1.1	1.3	1.3	1.4
of which:								
grains and grain- legumes (excluding maize)	1.0	0.9	1.0	1.0	1.0	1.1	1.2	1.2
sugar beet	1.8	2.3	2.2	2.5	2.2	2.0	2.2	2.5
sunflower seeds	0.1	0.2	0.5	0.7	0.6	0.7	0.9	0.9
vegetables and melons	7	5	4	3	4	3	4	3
potatoes	27	16	9	7	5	5	6	6
forage crops	0.7	0.7	1.0	1.2	1.3	1.4	1.5	1.6
Share of fertilized area in total cultivated area, percent	2.2	3.4	7.5	7.6	7.5	8.2	8.4	9.3

<sup>1)</sup> Since 2010 - except micro enterprises.



## CROP-GROWING

**16.12. ACREAGE IN AGRICULTURAL CROPS**  
 (enterprises of all types; thou. hectares)

	1992	2000	2005	2010	2013	2014	2015	2016
<b>Total acreage</b>	<b>114591</b>	<b>84670</b>	<b>75837</b>	<b>75188</b>	<b>78057</b>	<b>78525</b>	<b>79319</b>	<b>79993</b>
Grains and grain-legumes	61939	45585	43593	43194	45826	46220	46642	47110
including:								
winter crops	19191	11997	13189	15078	14797	14872	15410	16062
of which:								
wheat	10799	7933	10363	12699	12334	12161	13354	14021
rye	7574	3530	2333	1757	1831	1874	1290	1259
barley	818	534	493	461	392	600	530	571
spring crops	42748	33588	30404	28117	31029	31348	31233	31048
of which:								
wheat	13485	15272	14979	13915	12729	13116	13479	13683
maize for grain	810	798	820	1416	2450	2687	2771	2895
barley	13746	8616	8589	6753	8628	8791	8355	7767
oats	8540	4513	3325	2895	3324	3255	3045	2857
millet	1875	1589	499	521	470	506	595	436
buckwheat	1709	1576	917	1080	1096	1008	957	1204
rice	265	175	144	203	190	197	202	208
grain-legumes	2266	920	1103	1305	1979	1597	1588	1753
Industrial crops	5891	6458	7615	10900	12045	12232	12709	13599
including:								
flax-fiber	327	108	96	51	55	51	53	48
sugar beet	1439	805	799	1160	904	919	1022	1108

Continued table 16.12

	1992	2000	2005	2010	2013	2014	2015	2016
oil crops	3921	5489	6680	9616	11060	11204	11501	12302
of which:								
sunflower seeds	2889	4643	5568	7153	7271	6907	7005	7598
soy-beans	645	421	718	1206	1532	2006	2123	2228
rape	154	232	244	856	1326	1191	1021	978
Potatoes, vegetables and melons	4287	3728	3019	3022	2969	2945	2993	2906
including:								
potatoes	3404	2834	2277	2212	2138	2112	2128	2053
vegetables (without transplantation)	682	744	641	662	671	684	694	692
Forage crops	42474	28899	21610	18071	17217	17127	16974	16378
including:								
perennial grass	18813	18046	14557	11463	10825	10808	10713	10646
annual grass	11210	5946	4930	4680	4625	4582	4540	4190
maize for forage and green feed	9535	3668	1570	1502	1406	1384	1381	1242
forage roots (including sugar beet for forage)	495	151	70	50	48	50	46	42
<b>Complete fallow land</b>	<b>13026</b>	<b>18042</b>	<b>14895</b>	<b>14660</b>	<b>12538</b>	<b>12416</b>	<b>11859</b>	<b>11979</b>

### 16.13. ACREAGE IN AGRICULTURAL CROPS BY TYPES OF ENTERPRISES in 2016

(mln. hectares)

	Total acreage	including			
		grains and grain- legumes	industrial crops	potatoes, vegetables and melons	forage crops
<b>Enterprises of all types</b>	<b>80.0</b>	<b>47.1</b>	<b>13.6</b>	<b>2.9</b>	<b>16.4</b>
including:					
agricultural enterprises	54.7	31.9	9.5	0.3	13.0
household enterprises	3.3	0.5	0.0	2.3	0.5
peasant (farm) enterprises <sup>1)</sup>	21.9	14.7	4.1	0.3	2.9

<sup>1)</sup> Including individual entrepreneurs.

**16.14. GROSS HARVEST AND YIELD OF BASIC  
AGRICULTURAL CROPS**  
(enterprises of all types)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Gross harvest, mln. ton</b>								
Grains (weight after processing)	106.9	65.4	77.8	61.0	70.9	92.4	105.3	104.8	120.7
Sugar beet	25.5	14.1	21.3	22.3	45.1	39.3	33.5	39.0	51.4
Oil crops seeds <sup>1)</sup>	3.9	4.5	7.6	7.5	10.6	13.1	12.9	13.8	16.3
of which:									
sunflower seeds	3.1	3.9	6.5	5.3	7.5	9.8	8.5	9.3	11.0
soybeans	0.5	0.3	0.7	1.2	1.7	1.5	2.4	2.7	3.1
winter and spring rape	0.2	0.1	0.3	0.7	0.9	1.3	1.3	1.0	1.0
Flax-fiber, thou. ton	78	51	56	35	46	39	37	45	41
Potatoes	38.3	29.5	28.1	21.1	29.5	30.2	31.5	33.6	31.1
Vegetables	10.0	10.8	11.3	12.1	14.6	14.7	15.5	16.1	16.3
Fruits, berries and grapes	3.4	3.0	2.7	2.5	2.9	3.4	3.5	3.4	3.9
	<b>Yield, centners per hectare harvested</b>								
Grains and grain-legumes (weight after processing)	18.0	15.6	18.5	18.3	18.3	22.0	24.1	23.7	26.2
Sugar beet	192	188	282	241	409	442	370	388	470
Sunflower seeds <sup>1)</sup>	11.6	9.0	11.9	9.6	12.2	14.5	13.1	14.2	15.1
Soybeans <sup>1)</sup>	8.5	10.1	10.5	11.8	12.2	12.6	12.3	13.0	14.8
Winter rape <sup>1)</sup>	16.3	13.6	17.7	19.0	15.9	16.6	16.8	19.3	18.2
Spring rape <sup>1)</sup>	10.5	6.8	11.0	6.8	9.0	9.9	11.2	9.8	10.2
Flax-fiber (fiber)	3.1	5.5	6.3	8.2	9.2	8.5	9.0	9.1	9.4
Potatoes	114	105	124	100	134	145	150	159	153
Vegetables	145	143	170	180	211	214	218	225	227

<sup>1)</sup> Since 2012 - weight after processing.





**16.15. GROSS HARVEST AND YIELD OF SELECTED  
GRAINS AND GRAIN-LEGUMES**

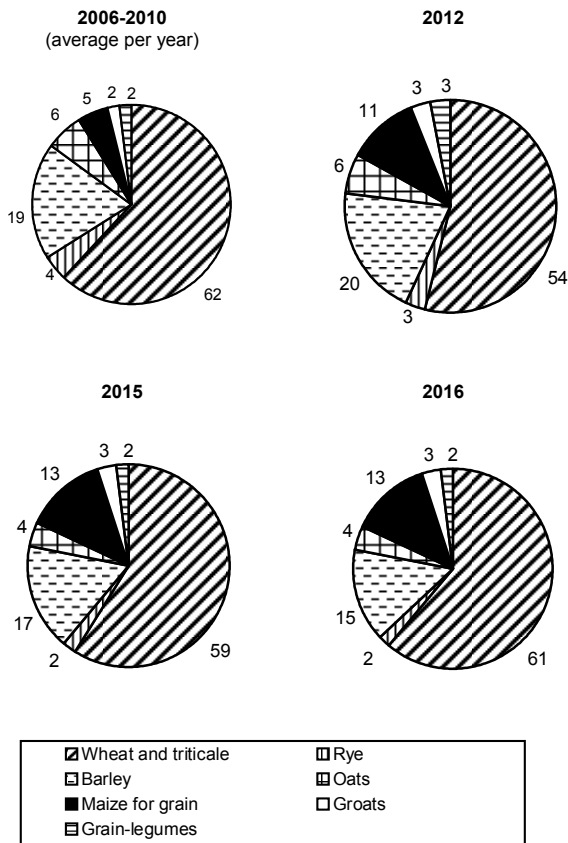
(enterprises of all types; weight after processing)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Gross harvest, mln. ton</b>								
Wheat, winter and spring	46.2	34.5	47.6	41.5	37.7	52.1	59.7	61.8	73.3
Rye, winter and spring	13.9	5.4	3.6	1.6	2.1	3.4	3.3	2.1	2.5
Maize for grain	2.1	1.5	3.1	3.1	8.2	11.6	11.3	13.2	15.3
Barley, winter and spring	27.0	14.0	15.7	8.4	14.0	15.4	20.4	17.5	18.0
Oats	11.2	6.0	4.5	3.2	4.0	4.9	5.3	4.5	4.8
Millet, thou. ton	1535	1124	455	134	334	419	493	572	630
Buckwheat, thou. ton	1038	997	605	339	797	834	662	861	1186
Rice, thou. ton	754	584	571	1061	1052	935	1049	1110	1081
Grain-legumes	3.1	1.2	1.6	1.4	2.2	2.0	2.2	2.4	2.9
	<b>Yield, centners per hectare harvested</b>								
Wheat:									
winter	26.5	22.3	28.3	24.9	23.1	29.9	35.1	32.0	37.6
spring	13.9	12.7	13.0	12.9	11.9	14.2	14.7	15.5	15.7
Rye, winter	18.5	15.8	15.7	11.9	15.0	18.9	17.7	16.7	20.3
Maize for grain	29.0	21.2	38.5	30.0	42.4	50.1	43.6	49.3	55.1
Barley:									
winter	34.7	34.1	32.4	37.4	28.4	40.3	35.9	40.0	39.5
spring	18.3	15.5	17.3	14.8	17.9	18.1	21.8	20.0	20.8
Oats	14.4	14.7	14.4	14.4	14.1	16.4	17.1	16.0	17.3
Millet	9.1	8.2	11.2	7.8	9.9	11.8	12.3	12.9	15.4
Buckwheat	6.7	6.9	7.3	5.9	7.7	9.2	9.3	9.5	10.6
Rice	30.3	34.9	42.0	52.8	54.9	49.5	53.6	55.8	53.0
Grain-legumes	14.2	14.2	15.4	13.9	12.9	12.1	14.6	15.9	17.5



**16.16. STRUCTURE OF GRAINS OUTPUT  
BY CROP TYPES**

(enterprises of all types; percent of total gross harvest)



**ANIMAL HUSBANDRY****16.17. LIVESTOCK INVENTORY**

(end of year; enterprises of all types; mln. heads)

Years	Cattle	including cows	Hogs and pigs	Sheep and goats
1992	52.2	20.2	31.5	51.4
2000	27.5	12.7	15.8	15.0
2005	21.6	9.5	13.8	18.6
2010	20.0	8.8	17.2	21.8
2012	19.9	8.9	18.8	24.2
2013	19.6	8.7	19.1	24.3
2014	19.3	8.5	19.5	24.7
2015	19.0	8.4	21.5	24.9
2016	18.8	8.3	22.0	24.8

**16.18. LIVESTOCK INVENTORY BY TYPES OF ENTERPRISES**

as of end of 2016

(mln. heads)

	Cattle	including cows	Hogs and pigs	Sheep and goats
<b>Enterprises of all types</b>	18.8	8.3	22.0	24.8
including:				
agricultural enterprises	8.4	3.4	18.4	4.2
household enterprises	8.0	3.7	3.2	11.5
peasant (farm) enterprises <sup>1)</sup>	2.4	1.2	0.4	9.1

<sup>1)</sup>Including individual entrepreneurs.**16.19. PRODUCTION OF BASIC ANIMAL HUSBANDRY PRODUCTS**

(enterprises of all types)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Livestock and poultry for slaughter (slaughter weight), mln. ton	8.3	4.4	5.0	7.2	8.1	8.5	9.1	9.6	9.9
Milk, mln. ton	47.2	32.3	31.1	31.8	31.8	30.5	30.8	30.8	30.7
Eggs, bln. pieces	42.9	34.1	37.1	40.6	42.0	41.3	41.9	42.6	43.5
Wool (physical weight), thou. ton	179	40	49	54	55	55	56	56	...



**16.20. PRODUCTION OF LIVESTOCK AND POULTRY FOR SLAUGHTER  
BY SELECTED TYPES**

(enterprises of all types; thou. ton)

Years	Livestock and poultry for slaughter (slaughter weight)	including			
		cattle	hogs and pigs	sheep and goats	poultry
1992	8260	3632	2784	329	1428
2000	4446	1898	1578	140	768
2005	4990	1809	1569	154	1388
2010	7167	1727	2331	185	2847
2012	8090	1642	2559	190	3625
2013	8544	1633	2816	190	3831
2014	9070	1654	2974	204	4161
2015	9565	1649	3099	204	4536
2016	9931	1624	3390	210	4631

**16.21. PRODUCTIVITY OF LIVESTOCK AND POULTRY**

(agricultural enterprises; kilograms)

	1992	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
Milk yield per one cow	2243	2341	3280	4189	4521	4519	4841	5140	5908
Average annual egg-laying capacity <sup>1)</sup> , pieces	224	264	301	307	306	305	308	310	308
Average annual wool clip per sheep (physical weight)	3.2	3.2	2.8	2.3	2.3	2.3	2.4	2.3	2.8
Output of livestock husbandry per one animal:									
cattle	84	79	94	105	110	109	116	121	133
hogs and pigs	61	62	107	155	185	187	199	205	202

<sup>1)</sup> Agricultural enterprises which are not subjects of small business.

## FOOD RESOURCES AND THEIR USE

### 16.22. RESOURCES AND USE OF MEAT AND MEAT PRODUCTS

(mln. ton)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Resources</b>									
Stocks, beginning of year	1.0	0.6	0.6	0.8	0.8	0.8	0.9	0.8	0.8
Production <sup>1)</sup>	8.3	4.4	5.0	7.2	8.1	8.5	9.1	9.6	9.9
Imports	1.4	2.1	3.1	2.8	2.7	2.5	1.9	1.3	1.1
Total	10.7	7.1	8.7	10.8	11.6	11.8	11.9	11.7	11.8
<b>Use</b>									
Production consumption	0.3	0.1	0.05	0.04	0.1	0.1	0.1	0.1	0.04
Losses	0.1	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01
Exports	0.1	0.03	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Personal consumption	8.9	6.6	7.9	9.9	10.6	10.8	10.9	10.7	10.8
Stocks, end of year	1.3	0.4	0.7	0.8	0.8	0.8	0.8	0.8	0.8

<sup>1)</sup> Livestock and poultry for slaughter (slaughter weight).

### 16.23. RESOURCES AND USE OF MILK AND DAIRY PRODUCTS

(mln. ton)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Resources</b>									
Stocks, beginning of year	1.9	1.3	1.7	1.9	2.0	2.0	2.0	2.1	2.0
Production	47.2	32.3	30.8	31.8	31.8	30.5	30.8	30.8	30.7
Imports	3.2	4.7	7.1	8.2	8.5	9.5	9.1	7.9	6.9
Total	52.3	38.3	39.6	41.9	42.3	42.0	41.9	40.8	39.6
<b>Use</b>									
Production consumption	7.8	5.2	4.1	4.3	3.9	3.8	3.5	3.3	3.0
Losses	0.04	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03
Exports	0.2	0.5	0.5	0.5	0.7	0.6	0.6	0.6	0.7
Personal consumption	41.8	31.3	33.2	35.2	35.7	35.6	35.7	34.9	34.2
Stocks, end of year	2.5	1.2	1.8	1.9	2.0	2.0	2.1	2.0	1.7



## FORESTRY

### 16.24. FOREST RESOURCES <sup>1)</sup>

(end of year)

Years	Total area of forest fund's lands and lands of other categories, where forests are located, mln. ha	including forest lands	of them covered with forest vegetation	Total wood stock, bln. cu. m
1992	1180.9	886.5	763.5	80.7
1997	1178.6	882.0	774.3	81.9
2002	1179.0	883.0	776.1	82.1
2010	1183.3	891.8	797.1	83.4
2012	1183.5	890.9	795.2	83.0
2013	1183.4	891.2	795.3	83.0
2014	1184.1	891.6	795.2	82.8
2015	1184.1	890.9	795.0	82.8

<sup>1)</sup> Data source: Rosleskhos. Since 2010 – annually, data of the State forest registry; before 2002 state accounting of forest funds was conducted once every five years.

### 16.25. REFORESTATION <sup>1)</sup>

(thou. hectares)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Total</b>	<b>1402</b>	<b>973</b>	<b>812</b>	<b>812</b>	<b>842</b>	<b>872</b>	<b>863</b>	<b>803</b>	<b>840</b>
including: forest planting and seeds	447	263	187	171	185	187	187	182	179
assistance for natural reforestation	955	710	625	633	643	669	659	603	644

<sup>1)</sup> Since 2012 – including individual entrepreneurs.

### 16.26. FOREST FIRES ON THE LANDS OF THE FOREST FUND AND LANDS OF OTHER CATEGORIES <sup>1)</sup>

	2010	2012	2013	2014	2015	2016
Number of forest fires, thou.	33.4	19.3	10.0	16.9	12.3	11.0
Forest area, burned by forest fires, thou. ha	1962.3	2054.0	1158.0	3190.7	2748.9	2508.3
Non-forest area, burned by forest fires, thou. ha	430.0	231.0	242.1	492.0	220.8	365.7

<sup>1)</sup> Data source: Rosleskhos, end of year results.



**16.27. MAIN INDICATORS CHARACTERIZING ORGANIZATIONS  
BY ECONOMIC ACTIVITY «FORESTRY AND LOGGING»**

	2005	2010	2012	2013	2014	2015	2016
Number of organizations (end of year) <sup>1)</sup> , thou.	20.8	15.6	12.2	11.4	10.6	10.2	8.9
Average annual number of employees of organizations <sup>2)</sup> , thou. persons	248	157	134	119	107	103	46 <sup>3)</sup>
Balanced financial result (profit less loss) <sup>4)</sup> , mln. roubles	-2800	-5420	-3818	-8465	-17652	-6591	6632
Profitability of goods (works, services) sold <sup>4)</sup> , percent	-1.7	-0.9	-2.8	-3.6	-0.8	4.2	5.5

<sup>1)</sup> Data source: State registration.

<sup>2)</sup> For 2014 – without account to data on the Crimean federal district.

<sup>3)</sup> For organizations which are not subjects of small business.

<sup>4)</sup> 2005-2015 – according to book-keeping data. Symbol (-) means loss.

**16.28. PRODUCTS OF LOGGING**

	2010	2012	2013	2014	2015	2016
Raw wood, mln. dense cu. m	117	122	120	123	127	129



## 17. FISHING

The section contains information on organizations engaged in economic activity «Fishing». It contains data on the catch (production) of main fishery products, retail sale of fish and seafood, exports and imports of fish, fishery products and seafood, release of juveniles aquatic biological resources.

The output of **juveniles aquatic biological resources** accounts the number of juveniles of valuable, most valuable and other species of aquatic biological resources (sturgeon, salmon, whitefish, fine-mesh, herbivorous, etc.), released into aquatic objects of commercial fishing importance to maintain the number of natural populations and biological diversity, as well as restoration of aquatic bioresources and habitat while conducting urban development and business activities.

### 17.1. MAIN INDICATORS OF ORGANIZATIONS BY ECONOMIC ACTIVITY «FISHING»

	2003	2005	2010	2012	2013	2014	2015	2016
Number of organizations (end of the year) <sup>1)</sup> , thou.	5.3	7.4	9.2	8.7	8.5	8.4	8.5	8.2
Average annual number of employees <sup>2)</sup> , thou. people	86.2	98.2	69.8	61.3	59.3	55.3	56.8	56.2
Balanced financial result (profit less loss) <sup>3)</sup> , mln. roubles	-7194	29	10344	15034	11823	592	58474	83023
Profitability of goods (works, services) sold <sup>3)</sup> , percent	-3.3	5.2	19.6	16.2	16.5	28.6	54.3	61.0

<sup>1)</sup> Data source: State registration.

<sup>2)</sup> For 2014 without account to data on the Crimean federal district.

<sup>3)</sup> For 2003-2015 according to book-keeping data. Symbol (-) means loss.





**17.2. CATCH (PRODUCTION) OF MAIN  
FISHERY PRODUCTS**  
(thou. ton)

	2010	2012	2013	2014	2015	2016
Live, fresh or chilled fish	1151	1399	1461	1167	1175	902
Crustaceans not frozen; oysters; other invertebrates, live, fresh or chilled	39.8	44.5	52.7	55.3	67.9	52.2
Other water bioresources	3.5	5.4	3.1	4.2	4.3	5.4

**17.3. RETAIL SALE OF FISH AND SEAFOOD**

	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
Retail sale of fish and seafood:						
bln. roubles	314.1	410.7	446.9	530.8	587.0	601.1
percent of previous year (at constant prices)	109.6	103.8	104.7	105.7	85.8	92.8
Retail sale of canned fish						
bln. roubles	76.2	92.9	100.5	120.2	129.5	136.5
percent of previous year (at constant prices)	108.4	102.5	102.7	110.7	86.2	91.6



Continued table 17.3

	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
Share of fish and seafood in retail trade turnover of food products, including beverages, and tobacco (at actual prices), percent	3.9	4.1	4.0	4.3	4.4	4.4

<sup>1)</sup> Short-term data.

#### 17.4. FISH, FISHERY PRODUCTS AND SEAFOOD EXPORTS AND IMPORTS OF THE RUSSIAN FEDERATION <sup>1)</sup>

	2010 <sup>2)</sup>		2012		2013		2014		2015		2016	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
Fish and crustaceans and mollusks, other invertebrates, mln. US dollars	2708	2033	3050	2379	3356	2862	3619	2565	3501	1356	3708	1392
of which:												
fish, fresh or chilled, excluding fish fillets, thou. ton	1.3	104	2.1	181	1.0	142	10.5	86.3	2.7	29.7	2.9	25.7
frozen fish, except fish fillets, thou. ton	1501	550	1532	434	1701	513	1487	438	1596	301	1677	271



Continued table 17.4

	2010 <sup>2)</sup>		2012		2013		2014		2015		2016	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
fish fillets and other fish meat, fresh, chilled or frozen, thou. ton	63.3	137	74.3	124	94.8	120	107	125	101	69.8	112	61.9
fish dried, salted or brined, thou. ton	5.7	12.9	7.7	13.5	7.3	12.0	9.4	17.7	6.6	22.5	6.4	22.8
crustaceans live, fresh, chilled, frozen, dried, salted or brined, thou. ton	33.5	62.0	34.6	53.8	36.7	62.6	52.7	52.1	54.8	23.0	63.5	32.3
mollusks live, fresh, chilled, frozen, dried, salted or brined, thou. ton	16.0	21.4	9.2	26.9	10.2	33.9	19.6	38.8	20.0	24.4	23.4	24.9
invertebrates, excluding crustaceans and mollusks, live, fresh, chilled, frozen, thou. ton	-	-	8.2	0.04	9.0	0.04	8.1	0.1	8.2	0.02	9.8	0.03



Continued table 17.4

	2010 <sup>2)</sup>		2012		2013		2014		2015		2016	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
Prepared or pre-served fish, caviar and caviar substitutes, thou. ton	25.7	94.2	19.5	104	23.6	114	20.6	119	13.6	79.4	15.6	59.6
Prepared or pre-served crustaceans mollusks, other invertebrates, thou. ton	1.1	11.2	1.0	13.7	1.2	16.4	0.9	15.1	0.6	10.5	0.7	13.8

<sup>1)</sup> Data source: the Federal Custom Service with due regard for mutual trade in goods with the EAEU member-states; exports of fish, fish and sea products caught (harvested) and sold outside the customs control zone.

<sup>2)</sup> Data is presented without account to Data source: mutual trade in July – December of 2010 between the Russian Federation and the Republic of Kazakhstan because of abolition of custom zone in Russia-Kazakhstan border since July 1, 2010.

### 17.5. RELEASE OF JUVENILE AQUATIC BIOLOGICAL RESOURCES INTO FISHERY WATER BODIES <sup>1)</sup>

(mln. units)

	2000	2005	2010	2012	2013	2014	2015	2016
Release of juvenile aquatic biological resources	6646.1	6938.6	10056.8	9940.3	9275.6	8864.7	8974.8	8980.6
of which:								
sturgeon	82.7	59.6	51.3	45.2	55.3	59.8	58.5	61.2
salmon	684.7	682.5	1110.0	929.9	1016.4	1073.0	993.4	1033.2
whitefish	46.1	45.4	109.2	19.8	26.8	48.7	95.7	147.9
herbivorous	50.8	83.3	24.0	27.7	26.4	25.5	27.4	11.3
fine-mesh	5781.9	6065.9	8757.1	8908.5	8149.3	7653.9	7798.6	7724.2

<sup>1)</sup> Data source: Rosrybolovstvo.

## 18. CONSTRUCTION

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This section deals with statistics relating to the activities of construction organizations, to commissioning of buildings, production capacities, housing and social and cultural construction.

**Construction organizations** refer to all general construction and specialized organizations including repairing and construction organizations, trusts (departments) of mechanization and house building plants, drilling organizations carrying out construction of exploratory oil and gas wells and other registered under the code 45 of OKVED.

**Value of work performed by economic activity “Construction”** includes the cost of construction and installation works to build new objects, capital and maintenance reparation, reconstruction of residential and non-residential buildings, and engineering constructions.

The value indicators on construction are quoted at actual prices, the volume indices for activity “Construction” are calculated at constant prices and by comparable range of organizations.

**Buildings** refer to the construction system consisting of supporting and sheltering or combined (both supporting and sheltering) structures forming above-ground closed volume intended for people to live or stay therein, depending on functional purpose and for performance of various production processes.

**Total construction volume of buildings** is determined as the sum of construction volume above the mark plus-minus 0.00 (the above-ground part) and below this mark (the underground part). The construction volume of the above-ground and underground portions of the building is determined within the bordering surfaces of ventilated cellar floors under buildings designed for construction on permafrost grounds.

**Total floor space of a building** is determined as the sum of floor of all building floors (including technical, attic, ground floor and basement) measured within inward surfaces of external walls,



as well as the floor of balconies and loggias. The floor of the premises shall be determined by their sizes between finished surfaces of the walls and partitions at the floor level.

The total construction volume and the total floor space of buildings are determined according to national construction regulation SNiP 31-01-2003.

**Capacities put in place** – capacity indicators (productivity, building capacity, visitor capacity, floor space, length, etc.) resulting from investments in fixed capital.

Data on the commissioning of facilities and production, social and cultural capacities includes ones sprung in result of construction and reconstruction. The increment of production capacities due to technical re-equipment and other organizational and technical measures is not included in these data.

Data on the **total number of apartments constructed** include apartments in dwellings of apartment-type and hotel-type and hostels, flats in non-residential and in private residential houses whose construction has been completed.

**Total floor space of dwellings in** residential and non-residential buildings put in place is determined as the sum of all living parts and subsidiary floor space of constructed by the population apartments earmarked to meet consumer and other needs of citizens and also space of loggias, balconies, verandahs, terraces, calculated using corresponding decreasing coefficients. Subsidiary premises include kitchens, halls, intra-flat corridors, bathrooms or shower-rooms, lavatories, store-rooms or fitted cupboards. Subsidiary premises of houses for aged persons and invalids, veterans, of children's homes also refer dining rooms, canteens, clubs, reading rooms, sports halls, reception centers of consumer service and medical services.

The total floor space of the residential houses does not include the space of vestibules, lobbies, staircases, common corridors, as well as the floor in residential houses designed for built-in and attached non-residential premises.



## CONSTRUCTION ACTIVITY

### 18.1. VOLUME OF WORK PERFORMED BY ECONOMIC ACTIVITY «CONSTRUCTION»

Years	Bln. roubles (1992 – trln. roubles; at actual prices)	Percent (at constant prices)	
		of previous year	of 1990
1992	1.5	64.0	63.0
2000	503.8	113.5	36.1
2005	1754.4	113.2	57.7
2010	4454.1	105.0	82.8
2012	5714.1	102.5	89.2
2013	6019.5	100.1	89.3
2014	6125.2	97.7 <sup>1)</sup>	87.3
2015	6148.4	95.2	83.1
2016	6184.4	95.7	79.5

<sup>1)</sup> In order to achieve statistical comparability relative indicators are calculated without account to data on the Republic of Crimea and the city of Sevastopol.

### 18.2. VOLUME OF WORK PERFORMED BY ECONOMIC ACTIVITY «CONSTRUCTION» BY ORGANIZATIONS BY DIFFERENT OWNERSHIP TYPES (at actual prices; bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
<b>Volume of works performed – total</b>	<b>503.8</b>	<b>1754.4</b>	<b>4454.1</b>	<b>5714.1</b>	<b>6019.5</b>	<b>6125.2</b>	<b>6148.4</b>	<b>2620.2</b>
including organizations by ownership types:								
state	52.9	95.6	154.2	179.6	176.9	150.3	159.0	145.3
municipal	4.5	13.4	16.9	21.5	22.8	17.4	17.2	16.5
private	322.0	1428.2	3973.8	5057.8	5304.5	5500.4	5537.9	1987.2
mixed Russian	111.9	131.5	102.8	107.4	96.4	109.3	93.3	57.1
others	12.5	85.7	206.4	347.8	418.9	347.8	341.0	414.1

<sup>1)</sup> Excluding small businesses.



**18.3. FIXED CAPITAL INVESTMENTS OF ORGANIZATIONS  
ACTING IN CONSTRUCTION <sup>1)</sup>**  
(at actual prices)

Years	Bln. roubles	Percent of total volume of fixed capital investments
2002	80.1	5.6
2005	172.7	6.0
2009	696.2	11.5
2010	770.1	11.6
2013	941.1	9.3
2014	949.2	9.1
2015	919.8	8.8
2016	852.2	7.8

<sup>1)</sup> Excluding small businesses and volume of investments which are not observed by direct statistical methods.

**18.4. FIXED ASSETS OF ORGANIZATIONS  
ACTING IN CONSTRUCTION <sup>1); 2)</sup>**  
(end of year; total book value;  
percent of total)

	2005	2010	2012	2013	2014	2015
<b>Fixed assets – total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:						
buildings and structures	36.0	36.9	35.5	36.3	37.0	40.2
machines and equipment	42.1	41.9	43.0	40.9	40.5	38.6
transport means	18.4	18.6	18.9	20.2	19.8	17.9
other types of fixed assets	3.5	2.6	2.6	2.6	2.7	3.2

<sup>1)</sup> Commercial organizations (excluding small businesses).

<sup>2)</sup> From 2012 – including revaluation carried out by commercial organizations.



**18.5. FLEET AND CONDITION OF MAIN CONSTRUCTION MACHINES IN  
CONSTRUCTION ORGANIZATIONS  
as of January 1, 2017 <sup>1)</sup>**

	Total, thou. pieces	Of total number of machines, percent	
		machines with expired date of service	share of imported machines
Excavators, single bucket	11.8	33.4	71.9
Scrapers	0.3	79.2	53.4
Bulldozers, on tractors	8.9	48.1	41.7
Cranes, column	3.7	46.2	32.1
Crane, automobile	7.2	36.1	27.6
Crane, pneumatic wills	1.4	43.2	58.8
Cranes, crawler	2.2	63.1	39.4
Motor graders	4.1	45.5	30.1

<sup>1)</sup> Excluding small businesses.

**18.6. BUILDINGS PUT IN PLACE**

	Number of buildings		Total construction volume of buildings, mln. cu. m		Total floor space of buildings, mln. sq. m	
	2015	2016	2015	2016	2015	2016
<b>Buildings put in place – total</b>	<b>306391</b>	<b>278295</b>	<b>622.8</b>	<b>608.5</b>	<b>139.4</b>	<b>135.8</b>
including:						
residential buildings	286129	259518	415.7	400.4	106.2	103.4
non-residential buildings	20262	18777	207.1	208.1	33.2	32.4
out of them:						
industrial	3145	2861	48.8	45.5	4.8	4.6
agricultural	2494	2734	27.3	34.7	5.1	5.8
commercial	7162	6067	72.0	65.4	11.6	10.2
office	1257	1191	10.0	9.6	2.1	1.9
educational	1228	752	19.5	14.8	4.5	3.3
for health system	765	672	4.0	4.7	0.9	1.1
other	4211	4500	25.5	33.4	4.2	5.5



## 18.7. SELECTED PRODUCTION CAPACITIES PUT IN PLACE

	1992	2000	2005	2010	2013	2014	2015	2016
<b>Capacities for mining and processing of:</b>								
coal, mln. ton	7.7	5.1	6.4	8.6	11.2	5.4	4.6	4.5
gold-bearing ore, thou. ton	-	-	50.0	90.0	575.0	400.0	40.0	3120.2
crude oil, mln. ton	-	0.3	0.04	6.8	0.2	5.5	15.1	0.2
gas, bln. cu. m	-	1.5	0.8	-	0.1	1.2	0.9	3.7
wells, units:								
crude oil, thou.	7.9	2.8	3.1	4.3	5.5	4.8	4.8	5.3
gas	104	115	160	174	120	162	112	121
<b>Capacities for production of:</b>								
steel, thou. ton	380.0	3.3	1112.7	306.0	2110.5	1460.0	-	1.5
finished steel of ferrous metals, mln. ton	-	-	1.2	0.6	0.3	1.3	-	-
steel pipes, thou. ton	-	-	88.3	635.2	-	60.0	350.0	0.6
continuous casting machines, mln. ton	0.4	-	3.4	1.7	-	1.4	-	0.9
mineral fertilizers (in equivalent of 100% nutritive substances), thou. ton	-	-	268.1	730.0	-	-	1381.5	2.5
sulfuric acid, monohydrate, thou. ton	-	-	623.0	705.0	10.9	-	-	-
varnishes and paints, thou. ton	-	8.6	16.9	3.6	-	39.9	21.0	30.6
rubber products, molded and unmolded, thou. ton	-	-	0.3	-	-	-	9.8	-
film polymeric, thou. ton	-	-	21.6	2.8	57.4	30.5	0.2	64.1
medicine drugs, mln. units	-	240.0	201.5	-	2720.3	2560.7	842.5	15.0
sawn wood, thou. cu. m	12.0	166.7	805.5	949.6	814.1	600.4	451.8	669.5
paper, thou. ton	-	-	-	40.0	480.0	-	-	-
wood-shaving plates, thou. cu. m	-	110.0	-	210.0	250.0	573.0	-	-
cement, mln. ton	0.4	-	-	1.3	4.2	1.9	2.8	0.5
linoleum, mln. sq. m	3.0	1.5	5.0	-	18.0	-	-	-
wall materials (except reinforced concrete panels), mln. standard bricks	95.0	92.4	76.6	1018.7	775.8	711.7	111.5	130.0
including building bricks	95.0	45.0	61.6	495.9	295.9	131.1	9.0	130.0
sanitary ceramics and polymer-cement ware, thou. units	400.0	-	-	-	-	250.0	-	-



Continued table 18.7

	1992	2000	2005	2010	2013	2014	2015	2016
precast concrete structures and articles, thou. cu. m	359.2	120.1	51.2	358.2	301.4	89.2	136.6	64.2
ceramic tiles, mln. sq. m	-	0.3	0.1	0.3	-	3.6	0.0	-
non-ore materials, mln. cu. m	3.2	2.6	2.4	5.9	1.3	1.2	0.4	1.5
insulation materials, thou. cu. m	-	20.0	718.8	1977.8	280.2	4158.0	415.0	1119.6
knitwear articles, mln. pieces	11.7	0.3	1.5	1.4	-	-	-	-
meat, ton per a shift	50.0	56.3	61.4	176.3	524.0	387.7	1015.8	452.1
whole milk products, ton per a shift	364.0	570.0	270.9	409.0	343.4	415.8	201.2	323.6
hard cheese (excluding soft), ton per a shift	2.2	9.4	17.1	28.0	1.8	2.5	55.0	3.0
granulated sugar, thou. centners of beets processed per a day	-	-	34.1	5.5	45.0	0.5	16.5	8.0
confectionery, thou. ton	41.7	12.5	28.2	107.2	107.1	257.3	81.2	47.0
vegetable oil, thou. ton of processed by extraction method seeds per a day	0.004	2.0	4.2	1.5	0.3	3.9	2.6	2.0
bakery, ton per a day	410.2	167.5	121.8	200.0	165.9	96.0	144.7	114.6
<b>Construction completed:</b>								
turbine electric power stations, mln. kW	0.2	0.4	2.2	1.9	3.6	3.5	1.7	0.9
including hydro power stations	-	0.2	0.4	0.6	1.8	1.3	-	0.1
transformer step-down sub-stations, voltage 35 kV and above, mln. kV A	8.6	3.3	2.8	12.2	12.6	10.8	4.7	5.4
steam boilers for CHP, ton per hour	2250.0	1074.8	620.3	1.0	24.0	168.4	225.9	420.0
coal cleaning plants, mln. ton of coal proceeded	-	0.6	12.9	2.0	8.1	9.3	1.5	5.7
housing accommodation for cattle, thou. places	484.2	102.8	27.5	111.1	99.0	104.1	102.6	120.7
housing accommodation for hogs and pigs, thou. places	183.2	30.2	60.7	603.3	1202.6	1322.4	877.3	775.7



Continued table 18.7

	1992	2000	2005	2010	2013	2014	2015	2016
housing accommodation for sheep, thou. places	331.4	9.6	6.2	6.3	4.8	11.9	9.8	14.2
poultry hatching factories for eggs production, thou. of laying hens	201.3	36.0	1150.0	702.7	163.0	222.4	248.0	1420.2
poultry hatching factories for meat production, mln. heads of meat poultry per year	1.9	0.04	8.9	122.5	21.6	11.1	11.0	35.5
grain and seeds warehouses, thou. ton of single time storage	2665.0	254.4	166.5	367.2	464.2	517.8	837.7	687.0
warehouses for potato, vegetables and fruits, thou. ton of single time storage	304.2	26.8	9.2	149.6	134.0	126.6	213.7	138.5
silage facilities, thou. cu. m	1504.3	34.0	38.4	188.2	173.9	243.0	102.5	229.6
greenhouses, ha	7.3	2.0	144.2	-	18.5	57.0	85.2	73.4
warehouses for mineral fertilizers, chemicals and microbiological agents, thou. ton of single time storage	242.6	2.2	1.2	-	-	2.0	-	11.5
grain elevators, thou. ton of single time storage	139.2	43.1	2.4	56.0	83.0	147.7	301.0	224.5
high-grade grain mills, thou. ton milled daily	0.3	2.3	1.2	0.2	1.0	1.4	0.5	0.06
feed mills, ton of formulated feed per day	100.0	62.0	155.0	786.8	2988.0	2307.0	3102.0	2540.0
cereal mills, ton of processed grain per a day	-	530.4	412.0	47.2	250.5	238.0	326.0	45.8
automatic telephone station, mln. numbers	0.7	1.0	2.3	1.0	3.5	0.2	0.07	0.0

Continued table 18.7

	1992	2000	2005	2010	2013	2014	2015	2016
mobile radio-phone units, mln. numbers	-	0.1	7.3	35.4	0.8	0.1	0.4	0.0
radio broadcasting stations, kW	121.0	8.6	2.0	128.3	11.0	4.5	7.3	11.5
long distance cable communication lines, thou. km	3.1	4.4	12.2	6.9	0.7	0.5	0.1	0.0
relay lines, thou. km	1.9	1.1	9.9	13.2	33.0	20.9	10.8	8.6
power transmission lines with voltage 35 kV and above, thou. km	6.3	2.6	2.3	2.1	3.9	4.5	2.3	2.7
hard surface motor roads, thou. km	27.0	7.9	2.6	3.1	2.9	2.3	2.5	2.4
including general purposes motor roads	6.4	6.6	2.0	2.2	2.5	2.0	2.3	2.2
new railway lines, km	45.1	1.7	127.8	111.1	29.4	13.0	17.8	62.5
parallel railways, km	135.7	45.8	119.7	104.5	55.9	31.8	97.3	16.7
sea port berths (incl. cargo handling facilities):								
thou. linear meters	0.2	0.2	1.1	0.9	1.5	0.4	-	0.06
mln. cargo ton per year	0.1	1.2	0.6	2.8	-	-	-	-
automated berth inland harbors:								
thou. linear meters	-	-	0.2	0.4	0.2	0.09	0.1	-
mln. cargo ton per year	-	-	0.5	0.2	0.1	0.1	0.1	-
hard surface take off runways, thou. sq. m	212.8	567.4	162.2	143.8	411.1	596.5	40.3	144.2
main gas pipe lines and taps, thou. km	1.4	2.0	2.2	2.0	1.1	2.0	2.5	1.0



Continued table 18.7

	1992	2000	2005	2010	2013	2014	2015	2016
main and regional crude oil and petroleum pipe lines, thou. km	0.1	0.7	0.6	1.2	0.9	0.8	0.8	0.9
subway lines (both directions), km	4.9	4.0	12.1	5.6	23.3	3.0	1.5	9.0
subway stations	4	2	7	4	9	2	2	5
garages for passenger motor cars	2	54	168	164	194	258	249	262
trading establishments and outlets, mln. sq. m of floor space	-	0.4	1.9	1.8	2.4	3.0	4.7	2.6
public catering, thou. seats	-	17.6	25.7	24.2	25.6	35.9	31.2	22.1
<b>Length of electrified railways, km</b>	210.7	588.3	507.4	22.2	4.5	5.9	-	1.4
<b>Works performed for:</b>								
land irrigation, thou. ha	21.2	4.7	0.5	20.5	1.4	9.4	3.9	6.9
land draining, thou. ha including reconstruc- tion and recovery of draining systems	89.3	14.2	5.8	2.5	2.4	5.9	13.0	1.1
grazing reclaiming, thou. ha	26.2	7.3	4.7	2.1	2.4	5.9	12.7	1.1
land clearance opera- tions on farmland, not needed drainage, thou. ha	139.2	50.1	19.1	12.0	4.0	-	-	-
	327.7	57.8	25.6	9.8	8.0	-	-	-



## HOUSING AND SOCIO-CULTURAL CONSTRUCTION

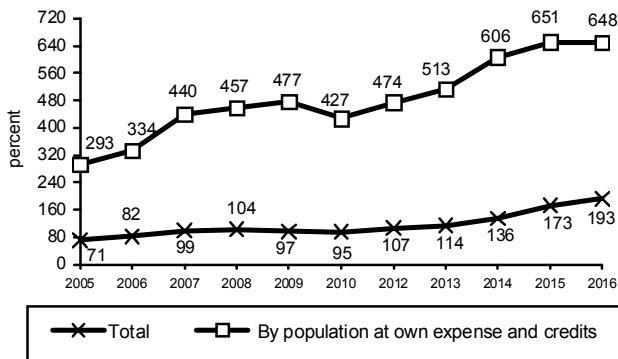
### 18.8. DWELLINGS PUT IN PLACE

(mln. square meters of total floor space of dwellings)

Years	Buildings constructed, total	including		Share in total building commissioning, percent	
		by population at own expense and credits	by house-building cooperatives	residential houses of population	residential house of house-building cooperatives
1992	41.5	4.9	2.1	11.8	5.0
2000	30.3	12.6	0.7	41.6	2.4
2005	43.6	17.5	0.6	40.2	1.4
2010	58.4	25.5	0.3	43.7	0.6
2012	65.7	28.4	0.3	43.2	0.4
2013	70.5	30.7	0.5	43.5	0.7
2014	84.2	36.2	0.4	43.0	0.4
2015	85.3	35.2	0.6	41.2	0.7
2016	80.2	31.8	1.0	39.6	1.2

### 18.9. INDICES OF DWELLINGS PUT IN PLACE

(1990=100)

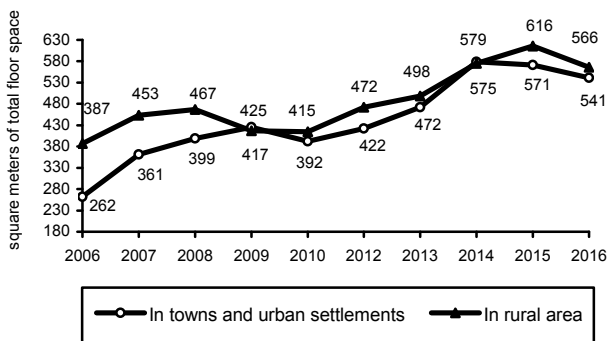


**18.10. DWELLINGS PUT IN PLACE BY ORGANIZATIONS  
OF DIFFERENT OWNERSHIP TYPES AND POPULATION**

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Mln.sq. m of total floor space of dwellings</b>							
<b>Put in place - total</b>	<b>30.3</b>	<b>43.6</b>	<b>58.4</b>	<b>65.7</b>	<b>70.5</b>	<b>84.2</b>	<b>85.3</b>	<b>80.2</b>
including:								
organizations of all ownership types:	17.7	26.1	32.9	37.3	39.8	48.0	50.1	48.4
of which:								
state-owned	3.5	3.0	3.5	3.4	3.5	2.9	2.5	2.2
including:								
federal property of constituent entities of the Russian Federation	1.1	1.5	1.5	1.4	2.0	1.5	1.5	1.2
municipal	2.8	2.8	2.0	1.7	1.5	1.7	1.9	1.7
mixed Russian	4.2	4.2	1.0	0.8	0.7	0.6	0.6	0.5
private	6.7	15.5	24.9	29.3	31.4	39.2	41.6	40.2
by population at own expense and credits	12.6	17.5	25.5	28.4	30.7	36.2	35.2	31.8
	<b>Percent of total</b>							
<b>Put in place - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
organizations of all ownership types:	58.4	59.8	56.3	56.8	56.5	57.0	58.8	60.4
of which:								
state-owned	11.6	6.9	6.0	5.2	5.0	3.4	2.9	2.7
including:								
federal property of constituent entities of the Russian Federation	7.8	3.5	3.4	3.0	2.2	1.7	1.2	1.2
municipal	9.2	6.3	3.4	2.6	2.1	2.0	2.2	2.1
mixed Russian	13.9	9.5	1.7	1.2	1.0	0.7	0.7	0.6
private	22.1	35.6	42.6	44.6	44.5	46.6	48.8	50.1
by population at own expense and credits	41.6	40.2	43.7	43.2	43.5	43.0	41.2	39.6



### 18.11. DWELLINGS PUT IN PLACE per 1000 population



### 18.12. DWELLINGS PUT IN PLACE IN TOWNS, URBAN SETTLEMENTS AND RURAL AREA (mln. square meters of total floor space of dwellings)

Years	In towns and urban settlements		In rural area	
	total, built	of which by population at own expense and credits	total, built	of which by population at own expense and credits
1992	31.0	1.9	10.5	3.0
2000	23.1	6.2	7.2	6.4
2005	34.1	8.8	9.5	8.7
2010	43.7	12.7	14.7	12.8
2012	50.0	14.7	15.7	13.7
2013	53.0	15.8	17.5	14.9
2014	62.2	18.1	22.0	18.1
2015	62.0	16.3	23.3	18.9
2016	58.8	14.9	21.4	16.9



## 18.13. BASIC CHARACTERISTICS OF APARTMENTS CONSTRUCTED

	1992	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Total</b>								
Number of flats (apartments), thou.	682	373	515	717	838	929	1124	1195	1167
Their average size, sq. m. of total floor space	60.8	81.1	84.5	81.5	78.4	75.8	74.9	71.4	68.7
Of which by flat types, percent of total housing commissioning:									
one-room	18	20	28	34	38	39	41	43	46
two-room	32	29	32	32	32	31	31	30	29
three-room	40	34	27	23	20	20	19	18	17
four-room and more	10	17	13	11	10	10	9	9	8
	<b>By housing and construction cooperatives</b>								
Number of flats (apartments), thou.	37	11	9	5	4	8	7	11	18
Their average size, sq. m. of total floor space	56.1	67.1	69.3	69.1	66.1	59.0	56.3	54.9	55.4
	<b>By population at own expenses and credits</b>								
Number of flats (apartments), thou.	61	106	127	192	211	228	268	272	251
Their average size, sq. m. of total floor space	80.1	118.8	138.3	132.6	134.4	134.4	135.2	129.6	126.7

## 18.14. SOCIAL AND CULTURAL CAPACITIES AND FACILITIES PUT IN PLACE

Years	General educational schools, thou. pupil places	Pre-school educational institutions, thou. places	Hospitals, thou. beds	Polyclinics (out-patient facilities), thou. visits per shift	Cultural establishments, clubs, thou. seats
	<b>In towns, urban settlements and rural area</b>				
1992	303.1	95.7	8.2	39.6	56.3
2000	133.8	6.8	9.5	24.8	12.1
2005	73.0	5.0	7.0	20.2	12.6
2010	67.8	22.9	8.7	26.8	13.4
2012	48.8	53.9	9.5	18.9	17.4
2013	70.0	90.3	8.6	17.5	13.2
2014	55.7	128.9	2.7	18.8	17.4
2015	66.3	143.3	4.3	23.7	16.0
2016	90.3	63.3	6.1	18.1	16.5
	<b>including in rural area</b>				
1992	96.3	34.6	2.3	7.8	45.4
2000	53.5	3.0	1.5	3.3	9.6
2005	27.9	0.9	0.9	2.6	5.7
2010	20.2	3.5	0.9	2.6	9.0
2012	14.4	6.8	1.1	6.0	16.4
2013	24.2	15.6	0.4	5.1	10.2
2014	16.8	26.3	0.9	8.4	12.5
2015	24.0	31.5	0.4	9.6	10.5
2016	19.5	13.7	0.6	8.2	8.5



**18.15. CAPACITIES OF HIGHER EDUCATIONAL INSTITUTIONS,  
VOCATIONAL EDUCATIONAL INSTITUTIONS PUT IN PLACE**

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Higher educational institutions, thou. sq. m of total floor space of educational and laboratory premises	139.3	105.6	161.3	219.7	587.0	210.1	84.5	222.0	220.2
Vocational educational institutions, thou. sq. m of total floor space of educational and laboratory premises <sup>1)</sup>									7.0
Vocational educational institutions of secondary vocational education, thou. sq. m of total floor space of educational and laboratory premises	22.8	18.2	11.5	60.4	36.7	7.2	16.1	8.9	
Educational institutions of primary vocational education, thou. pupil places	8.4	0.6	0.3	1.2	2.0	0.3	1.4	0.5	

<sup>1)</sup> According to the Federal Law «On Education in the Russian Federation» indicator «Vocational educational institutions» includes data on educational institutions of primary and secondary vocational education put in place.



**18.16. BOARDING HOUSES FOR AGED AND DISABLED PERSONS  
(adults and children) PUT IN PLACE**

Years	Thou. places	Years	Thou. places
1992	2.9	2012	0.9
2000	1.6	2013	1.7
2005	1.4	2014	0.9
2007	2.1	2015	0.7
2010	2.0	2016	0.7

**18.17. FACILITIES FOR MATERNITY AND CHILD CARE  
PUT IN PLACE**

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Children hospitals, beds	796	1278	1060	389	683	319	85	278	296
Children polyclinics, admissions per shift	1825	2760	3877	3245	1905	1585	2247	1284	1176
Maternity homes, beds	477	572	293	1262	709	327	701	867	1670
Maternity consultations, patients per shift	2000	935	640	1210	155	100	580	140	565
Baby homes, places	270	386	75	-	40	-	-	-	-
Children houses, places	235	967	624	225	92	100	45	150	120

**18.18. SANATORIA AND HOLIDAY HOMES PUT IN PLACE**

Years	Sanatoriums, thou. beds	Holiday homes, thou. places
1992	2.2	1.1
2000	2.6	1.2
2005	2.7	1.0
2010	2.5	1.7
2012	0.9	0.7
2013	0.7	1.0
2014	1.4	1.5
2015	0.4	0.7
2016	0.4	0.7

## 19. TRANSPORT

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This section contains data relating to volumes of freight and passenger transportation, to the length of transport lines, to traffic accidents.

Information containing in this section formed by Rosstat and is based on data from the Federal Agency for Sea and Inland Water Transport, the Federal Air Transport Agency, the Federal Service for the Oversight of Transport, the Ministry of Interior of the Russian Federation. Data for 2015 is revised using annual reports.

**Transport** as a kind of economic activity is divided into public and non-public transport.

**Public transport** is the transport which serves the needs of all industries and of population in transportation of freight and passengers, transferring various goods from manufacturers to customers, and rendering accessible transport services to population. Public transportation comprises also commercial (payable) transport services for passengers and freight.

Shipment carried out by a commercial organization is considered as public transportation in case if it is prescribed by law or any other legal statute that this organization is endowed with the obligation to carry cargo, passengers and luggage at the request of any individual or a legal entity.

Contract providing for public transport services is a kind of public agreement.

**Non-public transport** (departmental) is used, as a rule, to ship freight and carry employees of own organization.

**Volume of freight** carried by all modes of public transport, excluding motor transport is shown at registered departure time. As for motor transport, freight shipments are registered upon their arrival.

**Freight turnover** is the volume of transport work for freight transportation and measured in ton-kilometers. It is calculated multiplying the weight of shipped freight in tons by the length of its shipping in kilometres (miles).

Information on freight transportation and freight turnover of motor transport is given taking into account the activity of small businesses.

**Transported passengers** - the number of passengers carried for a certain period of time. Accounting is conducted by the modes of transport. The unit of observation in the statistics of passenger traffic is a passenger trip. Accounting of transported passengers varies depending on the selected transportation mode, it can be carried out by the time of purchasing the ticket (railway, road, urban



electric transport) or at the time of departure of the vehicle (for the water and air transport). For the statistics of passenger transportation the moment of arrival is practically, not used, with the exception of air transport.

Data on passenger transportation is given including passengers entitled to free travel.

**Passenger turnover** is the volume of transport work for passenger transportation measured in passenger-kilometer. It is determined multiplying the number of passengers for each position of transportation by the length of distance covered and is compiled separately for mode of transport, communications and other features.

**Data on passenger traffic and passenger turnover by railway transport** are given since 2000 with due regard for the assessment of number of passenger who entitled to free-of-charge services for suburban communication and changes in the system for accounting of the volume of transportation of railway's employees.

Data on air transport are given for regular and non-regular air carrier companies.

**Regular air carriers** are the air transport organizations which realize commercial flights carrying passengers, freight and mail, as well as performing air works for the needs of branches of economy both on a regular and non-regular basis. Regular shipments include flights conducted according to schedules and for certain payment, or sufficiently frequent flights, which are liable to a certain systematization and are accessible for common public; as well as additional flights caused by overcharging of regular flights.

**Non-regular air carriers** are the organizations which operate commercial flights carrying freight and passengers as well as doing air work for the needs of organizations and population on a non-regular basis only (charter (ordered) flights, special flights, tourist flights not reflected in regular carriers schedules).

**Freight and passengers turnover of air transport** are determined only for the shipments carried out by transport aviation, i.e. excluding air flights used by organizations of other kinds of economic activities.

**Operational length of general-purpose public railways** is the length of railroads measured along the axis of main railroad; and for multi-track railroads measured as the shortest part of the main line between axes of separating points (stations, by-ways, overtaking points) delineating this line.

**Motor roads** on the territory of the Russian Federation depending on the type of the permitted use are divided into as public roads and non-public roads.



**Public** motor roads are: federal, regional or intermunicipal, local motor roads (including streets) designed and suitable for movement of vehicles of the general public.

**Non-general-purpose** (departmental) motor roads are those of the property of legal entities.

**Main gas pipelines** are the pipelines intended for transportation of gas in mass volumes for long distances from the extraction or production areas to gas-distributing stations. The length of gas pipelines is determined by summing up linear lengths of all pipeline sections in single-lane measuring from the inlet header of the head pump station to the inlet header of gas distributing station of destination point and linear lengths of pipe-bends from the linear tap to the inlet header of gas distributing station of the use point.

**Main oil pipelines** – engineering structures, consisting of underground, sub-sea, surface and above-ground pipelines and associated with them pump stations, petroleum storages and other technological units, providing transportation, acceptance (receipt), delivery (sales) of oil to consumers or its transshipment to transport modes.

**Main oil product pipelines** – pipelines with overpressure up to 10 MPa, with a complex of underground, above-ground and underwater structures for transportation of petroleum products, prepared in accordance with the requirements of state standards, technical specifications and other normative and technical documents, from point of acceptance to delivery points, technological storage or transshipment to other transport modes.

**Inland waterways for ships** - natural or artificially created federal communication ways equipped with navigate signs or by other means and used for navigation.

**Length of inland waterways for ships** – is the length of sections of waterways, included in the List of inland waterways of the Russian Federation approved by the Decision of the Government of the Russian Federation from 19.12.2002 №1800-r (with changes) and maintained by the State Basin Department of Waterways and Navigation and the Federal State Unitary Enterprise «Moscow Canal».

Inland waterways with guaranteed depths – sections of waterways, with established minimum gauges for the navigation pass: depth, width, radius of curvature for the design water level (design low water level with the specified coverage).



## FREIGHT SHIPMENTS

### 19.1. TRANSPORTATION OF GOODS BY TRANSPORT MODES

(mln. ton)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Transport -</b>									
total	<b>15737</b>	<b>7907</b>	<b>9167</b>	<b>7749</b>	<b>8519</b>	<b>8264</b>	<b>8006</b>	<b>7582</b>	<b>7597</b>
of which									
by modes:									
railway	1640	1047	1273	1312	1421	1381	1375	1329	1227
motor	12750	5878	6685	5236	5842	5635	5417	5041	5138
pipeline	947	829	1048	1061	1096	1095	1078	1071	1088
maritime <sup>1)</sup>	91	35	26	37	18	17	16	19	25
inland water <sup>1)</sup>	308	117	134	102	141	135	119	121	118
air	1.4	0.8	0.8	1.1	1.2	1.2	1.3	1.2	1.1

<sup>1)</sup> Here and in table 19.2 – from 2012 maritime transport – excluding inland water transport - including transportation by river and sea-going ships.

### 19.2. FREIGHT TURNOVER BY TRANSPORT MODES

(bln. ton-km)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Transport -</b>									
total	<b>4913</b>	<b>3638</b>	<b>4676</b>	<b>4751</b>	<b>5056</b>	<b>5084</b>	<b>5080</b>	<b>5094</b>	<b>5184</b>
of which									
by modes:									
railway	1967	1373	1858	2011	2222	2196	2301	2306	2344
motor	257	153	194	199	249	250	247	233	234
pipeline	2146	1916	2474	2382	2453	2513	2423	2444	2489
maritime	405	122	60	100	45	40	32	42	43
inland water	136	71	87	54	81	80	72	64	67
air	1.8	2.5	2.8	4.7	5.1	5.0	5.2	5.4	6.6





## PASSENGER TRANSPORTATION

### 19.3. PASSENGER TRANSPORTATION BY PUBLIC TRANSPORT MODES

(mln. persons)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Transport – total</b>	<b>47885</b>	<b>44854</b>	<b>30128</b>	<b>22065</b>	<b>21370</b>	<b>19652</b>	<b>19558</b>	<b>19122</b>	<b>18690</b>
of which by modes:									
railway	2372	1419	1339	947	1059	1080	1076	1025	1040
bus <sup>1)</sup>	24874	23001	16374	13434	12766	11587	11554	11523	11296
passenger taxi <sup>2)</sup>	266	16	6	30	29	31	22	27	45
tramway	8071	7421	4123	2079	1928	1629	1551	1478	1397
trolley-bus	8619	8759	4653	2206	2051	1735	1803	1616	1483
subway	3567	4186	3574	3294	3446	3491	3437	3336	3312
maritime	9	1.1	1.3	1.5	1.1	0.5	6.9	9.6	13.0
inland water	44	28	21	16	14	13	13	14	13
air	63	23	37	59	76	86	95	94	91

Subway (metro) was operated in Ekaterinburg, Kazan', Moscow, Nizhny Novgorod, Novosibirsk, Samara and St. Petersburg; trams were operated in 62 cities, including 4 cities where there were high speed tramway lines; trolleybus lines were operated in 88 cities

<sup>1)</sup> Here and in table 19.4 from 2000 – data is presented by legal entities and individual entrepreneurs (including small businesses), carrying out passengers transportation of passengers by busses.

<sup>2)</sup> Here and in table 19.4 from 2010 – data is presented by legal entities (less micro businesses).

### 19.4. PASSENGER TURNOVER BY PUBLIC TRANSPORT MODES

(bln. passenger-km)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Transport – total</b>	<b>681.2</b>	<b>496.2</b>	<b>473.3</b>	<b>484.0</b>	<b>532.6</b>	<b>547.2</b>	<b>556.2</b>	<b>530.0</b>	<b>519.8</b>
of which by modes:									
railway	253.2	167.1	172.2	138.9	144.6	138.5	130.0	120.6	124.6
bus	212.3	173.7	142.3	140.6	133.3	126.0	127.1	126.3	124.3
passenger taxi	3.8	0.2	0.1	0.3	0.3	0.3	0.3	0.3	0.4



## 19. TRANSPORT

Continued table 19.4

	1992	2000	2005	2010	2012	2013	2014	2015	2016
tramway	26.0	25.1	13.5	6.7	6.3	5.3	5.0	4.8	4.6
trolley-bus	26.2	28.1	15.0	7.1	6.6	5.7	6.4	6.0	5.5
subway	39.6	46.9	43.4	42.4	45.1	45.6	45.4	44.6	44.1
maritime	0.5	0.1	0.09	0.06	0.04	0.04	0.07	0.06	0.09
inland water	1.9	1.0	0.9	0.8	0.6	0.6	0.5	0.5	0.6
air	117.7	54.0	85.8	147.1	195.8	225.2	241.4	226.8	215.6

**19.5. LENGTH OF TRANSPORT LINES**

(end of year; thou. km)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Railroads tracks, public <sup>1)</sup>	88	86	85	86	86	86	86	86	86
Auto-motor roads, public <sup>2)</sup>	466	584	581	825	1278	1396	1451	1481	1498
of which:									
hard surface	419	532	531	665	925	985	1024	1046	1054
Tramway lines <sup>1)</sup>	3.1	3.0	2.8	2.6	2.5	2.5	2.5	2.5	2.5
Trolley-bus lines <sup>1)</sup>	4.6	4.8	4.9	4.9	4.8	4.8	5.3	5.3	5.3
Subway lines <sup>1)</sup> , km	367	405	436	475	497	512	514	517	532
Main pipelines – total	207	215	225	233	249	250	251	252	249
of which:									
gas pipeline	140	152	160	168	175	175	177	178	178
oil pipeline	51	48	50	49	55	55	55	55	54
oil products pipeline <sup>3)</sup>	15	15	16	16	20	20	19	19	17



Continued table 19.5

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Inland waterways including those with guaranteed depth	98	85	102	101	101	102	102	102	101
	56	42	33	48	48	49	49	49	49

<sup>1)</sup> Commercial operational length.<sup>2)</sup> Since 2012 – including length of streets.<sup>3)</sup> Since 2012 – including length of petroleum pipe lines on the territory of foreign countries.

## TRANSPORT ACCIDENT RATE

### 19.6. NUMBER OF ACCIDENTS AND PERSONS SUFFERED IN ROLLING STOCK ACCIDENTS <sup>1)</sup>

	1994	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Number of accidents</b>								
By transport mode:									
railway, public <sup>2)</sup>	34	7	5	1	1	17	15	15	12
motor roads and streets - total, thou.	175	158	223	199	204	204	200	184	174
of which because of intoxicated driver	...	21.3	19.6	11.8	12.8	13.6	16.5	15.2	15.6
maritime <sup>3)</sup>	31	20	41	25	19	33	36	49	47
inland water	12	2	4	2	4	5	4	7	6
air	59	17	12	24	38	30	38	41	52
	<b>Dead, persons</b>								
Accidents by transport mode:									
railway, public	24	3	1	-	-	2	8	3	-
motor roads and streets <sup>4)</sup> - total, thou.	35.6	29.6	34.0	26.6	28.0	27.0	27.0	23.1	20.3
of which because of intoxicated driver	...	4.1	3.2	2.0	2.1	2.3	3.4	3.7	4.6
maritime <sup>3)</sup>	2	1	-	10	10	1	2	12	9
inland water	23	7	16	3	1	11	3	5	2
air	310	20	56	34	90	102	59	60	59



## 19. TRANSPORT

Continued table 19.6

	1994	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Injured, persons</b>								
Accidents by transport mode:									
railway, public	38	5	1	-	-	4	88	11	-
motor roads and streets - total, thou.	189.9	179.4	274.9	250.6	258.6	258.4	251.8	231.2	221.1
of which because of intoxicated driver	...	28.3	28.3	17.3	18.7	19.4	23.2	21.1	21.3
maritime <sup>3)</sup>	-	2	-	-	-	-	-	1	3
inland water	...	...	-	-	-	49	5	-	3
air	-	-	-	112	52	26	20	71	43

<sup>1)</sup> Data source: JSCo «RZD», the Ministry of Interior of the Russian Federation, the Federal Air Transport Agency, the Federal Service for the Oversight of Transport.

<sup>2)</sup> Traffic accidents and other accidents associated with the safety rule violations and operation of the railway transport, which took place on the public railroad tracks; before 2013 taking into account accidents by fault of JSCo «RZD».

<sup>3)</sup> Since 2014 including accidents occurring to river and sea-going ships.

<sup>4)</sup> Since 2010 persons died in a road traffic incident is one killed on impact at the scene of a road traffic incident or died of its effects within 30 following days (up to 2010 within 7 days).



## 20. COMMUNICATION

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This section represents data of the Ministry of Communication and Mass Media of the Russian Federation characterizing activities of communication operators <sup>1)</sup> – legal entities or individual entrepreneurs, rendering communication services on the basis of a license.

Data for 2015 is revised according to the results of annual reports of the Minkomsvyaz' of Russia.

**Communication means**<sup>1)</sup> – hardware and software used to create, receive, process, store, transfer, deliver electric messages and postal dispatches or other hardware and software used to render communication services or to ensure operation of communication network, including technical systems and devices with metrological functions.

**Communication network** <sup>1)</sup> – technological system comprised of communication means and lines intended for electric messages or postal dispatches.

**Communication services** <sup>1)</sup> – are defined as the activity comprising reception, processing, storing, transferring and delivering of electric messages or postal dispatches.

**Volume of communication services** – cost of postal, electric communication services, traffic connection and transmission services, regulation services of radio-frequency spectrum of radioelectric means. Data is given at actual prices without VAT.

**Public communication network**<sup>2)</sup> intended for market service of communication for any user and customer on the territory of the Russian Federation and includes telecommunication networks geographically defined within the service area, and numbering resource, not defined geographically within the territory of the Russian Federation, and numbering resource, along with communication networks defined by the technology for the provision of telecommunication services.

**Postal communication**<sup>3)</sup> – type of communication, representing unified production and technological complex of technical and transport arrangements, providing reception, processing, shipment and delivery (hand delivery) of postal dispatches, as well as making postal money transfers.

**Postal dispatches** <sup>3)</sup> – addressed written correspondence (letters), parcels, direct postal containers: **written correspondence** <sup>3)</sup> – ordinary and registered letters, postcards, secogrammes, wrappers and small packages; **postal remittances** <sup>3)</sup> – service provided



by organization of the federal postal service on reception, processing, transferring, delivering (handing) monetary resources using the postal and telecommunication networks.

**Electric communication**<sup>1)</sup> – is any emanation, transmission or reception of symbols, signals, voice information, written text, images and sounds or messages of any kind using radiosystem, wire, optical or other electro-magnetic systems.

**Telephone sets** – main and additional (parallel) sets switched on the public network, apparatuses of phone departmental stations of establishments connected with this network and public phones booths of all kinds which render service of local, intercities and international communication.

**Main telephone sets** are telephone apparatus having independent numbers at the public telephone station, as well as telephones with a shared line intended for public use, as well as telephone sets of "Iskra" network.

**Supplementary (parallel) telephone sets** – apparatus switched to the main line and not having an independent phone number.

**Home telephone sets** – phone apparatus installed in apartments (living houses).

**Multipurpose payphones** – are payphones that are equipment for communication with international, long-distance and local telephone connections.

**Mobile communication** – complex of technical means (radio and communication equipment, communication lines and structures), which render communication facilities for mobile subscribers and subscribers of public telephone network.

**Cellular communication** – system of mobile radio and telephone communication.

**Broadband Internet access** – Internet access at downstream speed equal to or faster than 256 Kbit/s.

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<sup>1)</sup> Art. 2 of the Federal Law №126-FZ from 07.07.2003 "On communication" (with amendments).

<sup>2)</sup> Art.13 of the Federal Law № 126-FZ from 07.07.2003 "On communication" (with amendments).

<sup>3)</sup> Art.2 of the Federal Law № 176-FZ from 17.07.1999 "On postal communication" (with amendments).



**20.1. VOLUME OF COMMUNICATION SERVICES**(end of year; at actual prices; bln. roubles;  
1992 – trln. roubles)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Communication</b>									
- total	<b>0.1</b>	<b>146.4</b>	<b>659.9</b>	<b>1355.5</b>	<b>1531.0</b>	<b>1608.8</b>	<b>1650.6</b>	<b>1672.0</b>	<b>1657.2</b>
of which:									
postal and courier	0.04	12.5	42.7	100.3	126.2	132.3	134.4	143.1	155.7
documental <sup>1)</sup>	0.01	8.2	48.6	147.3	202.1	214.2	317.2	389.7	408.5
local telephone network	0.04	32.0	105.8	158.2	157.5	143.4	138.0	131.1	121.2
radio communication, radio broadcasting, television, satellite communication and wire broadcasting	0.02	6.8	25.4	51.3	61.3	74.2	83.4	92.7	101.0
mobile communication connection and traffic capacity	-	37.4	282.9	593.7	679.2	718.6	637.5	576.1	551.6
	...	...	71.3	186.7	212.5	243.0	262.8	270.0	260.2

<sup>1)</sup> Since 2014 documental service including mobile communication service (service providing access to information by using information and communication technologies (the Internet) via mobile network).

**20.2. VOLUME OF COMMUNICATION SERVICES RENDERED TO POPULATION**

(end of year; at actual prices; bln. roubles; 1992 – trln. roubles)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Communication – total</b>	<b>0.02</b>	<b>52.1</b>	<b>351.1</b>	<b>750.5</b>	<b>843.4</b>	<b>904.1</b>	<b>907.0</b>	<b>887.0</b>	<b>863.1</b>
of which:									
postal	0.01	4.7	10.5	21.7	24.0	24.9	26.2	27.8	31.1
documental <sup>1)</sup>	0.0	1.0	10.8	63.0	86.6	102.9	192.1	245.0	260.1
trunk and international telephone service	0.01	16.7	33.9	35.9	27.1	23.8	17.9	14.6	11.2



Continued table 20.2

	1992	2000	2005	2010	2012	2013	2014	2015	2016
local telephone network	0.01	13.8	62.6	85.4	88.1	88.1	83.0	72.9	65.6
radio communication, radio broadcasting, television, satellite communication and wire broadcasting	0.0	2.2	7.9	15.6	20.4	28.9	36.3	40.1	29.0
mobile communication	-	11.8	224.0	528.8	597.1	635.4	551.5	486.5	466.1

<sup>1)</sup> Since 2014 documental service including mobile communication service (service providing access to information by using information and communication technologies (the Internet) via mobile network).

### 20.3. BASIC INDICATORS OF POSTAL (MAIL) COMMUNICATION DEVELOPMENT (end of year)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Dispatched (outflow exchange):									
written correspondence, bln.	3.0	1.1	1.3	1.6	1.8	1.7	1.7	1.5	1.5
printed publications, bln.	12	3.4	2.3	1.5	1.4	1.3	1.0	0.9	0.8
parcels, mln.	60	14	25	51	67	72	73	70	81
money remittances, mln.	149	49	136	113	89	75	69	58	53
pension payments, mln.	404	376	460	534	482	440	409	384	355

### 20.4. BASIC INDICATORS OF DEVELOPMENT OF PUBLIC TELEPHONE AND MOBILE COMMUNICATION (end of year)

	1992	2000	2005	2009	2010	2012	2013	2014	2015
Number of telephone sets (including public telephones) public telephone network – total, mln. pieces	24.8	33.0	42.9	45.4	44.9	43.2	41.5	39.1	36.4





Continued table 20.4

	1992	2000	2005	2009	2010	2012	2013	2014	2015
including: in urban area	21.3	29.1	37.8	40.0	39.6	38.1	36.6	34.5	32.0
in rural area	3.5	4.0	5.1	5.4	5.3	5.1	4.9	4.6	4.4
Number of telephone sets (including public telephones) per 100 population, pieces	16.7	22.6	29.9	31.8	31.4	30.1	28.9	26.8	24.8
Number of terminals of circular communication per 100 population <sup>1)</sup> , pieces	0.004	2.2	86.3	161.4	166.4	182.7	193.3	190.8	193.8

<sup>1)</sup> As of end of 2016 – 197,6 pieces.

### 20.5. BASIC INDICATORS OF DEVELOPMENT OF FIXED AND MOBILE INTERNET ACCESS (end of year)

	2011	2012	2013	2014	2015	2016
Number of active fixed subscriptions to the Internet – total, thou.	18004	21111	24115	25044	26944	27663
including broadband	17420	20704	23745	24825	26756	27459
of them by downstream speed:						
from 2 Megabit/s to less than 10 Megabit/s	8425	9352	9789	7693	6766	6449
from 10 Megabit/s to less than 100 Megabit/s	3586	5773	9582	13308	15664	16107
from 100 Megabit/s to less than 1 Gigabit/s	123	149	271	824	1604	2478
from 1 Gigabit/s and greater	2.4	0.9	4.3	2.4	24.5	31.0
Number of active mobile-cellular subscriptions to the Internet – total, thou.	84523	91217	101919	105828	109926	117572
including broadband	68395	75442	85908	92795	99793	106338
Number of active broadband subscriptions to the Internet per 100 population						
fixed	12.2	14.4	16.5	17.0	18.3	18.7
mobile-cellular	47.8	52.6	59.8	64.5 <sup>1)</sup>	68.1	72.4

<sup>1)</sup> Excluding data on the Crimean federal district.



## 21. INFORMATION AND COMMUNICATION TECHNOLOGIES

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The section includes information on information and communication technologies usage by organizations of almost all economic activities (data are given for organizations which are under statistical observation (excluding small businesses)).

**Information and communication technologies** - technologies which use microelectronic facilities to collect, store, process, search, transmit and represent data, texts, images and sound.

**Global information network** covers complex of computers and/or local networks, which can be situated at any place of the world and connected by long distance channels (switched or allocated), provided by telephone companies or other organizations for communication. Global information network enables users to exchange data, jointly use hardware and software, information resources. Global information network can be as accessible for general public (Internet) and specialized (corporate or departmental – Intranet, Extranet).

**Internet** – global (world) multitude of independent computer networks connected for information exchange according standard and open protocols.

**Broadband access to Internet** – the access to Internet with data transfer rate of 256 Kbit/sec and above.

**Intranet** – distributed corporate network based on Internet technologies designed to provide personnel with the access to corporate information electronic resources.

**Extranet** – extension of Intranet which contains selected areas, which can be accessed by external users. For example, providing external users with the access to a respective part of corporate data on their orders or production stock status.

**Local computing network** connects two or more computers (may be of different types) as well as printers, scanners, alarm systems (guard, fire) and other production and peripheral equipment, situated within one building or several neighborhood buildings and does not use general-purpose communication facilities.

**Expenditures on information and communication technologies** represent actual expenditures of organization denominated in monetary form on purchasing of computers and software, communication services, training of personnel to develop and use ICT, outsourcing, as well as other expenditures on ICT, including expenditures of organizations on development of own software. Expenditures on ICT take into account current and capital costs of organizations which are under statistical observation (excluding small businesses).



### 21.1. INFORMATION AND COMMUNICATION TECHNOLOGIES USED IN ORGANIZATIONS

(percent of total number of organizations observed)

	2005	2010	2012	2013	2014	2015
Organizations using:						
personal computers	91.1	93.8	94.0	94.0	93.8	92.3
servers <sup>1)</sup>	9.3	18.2	18.9	19.7	26.6	47.7
local computing networks	52.4	68.4	71.7	73.4	67.2	63.5
e-mail	56.0	81.9	85.2	86.5	84.2	84.0
global information networks	54.3	83.4	87.5	88.7	89.8	89.0
of which network:						
Internet	53.3	82.4	86.9	88.1	89.0	88.1
including broadband access	...	56.7	76.6	79.4	81.2	79.5
Intranet	...	13.1	14.7	16.7	16.8	19.2
Extranet	...	5.3	6.4	7.7	14.3	16.9
Having web-sites	14.8	28.5	37.8	41.3	40.3	42.6

<sup>1)</sup> Before 2015 – other computers.

### 21.2. INFORMATION AND COMMUNICATION TECHNOLOGIES USED IN ORGANIZATIONS BY ECONOMIC ACTIVITY in 2015

(percent of total number of organizations observed of the corresponding type of activity)

	Organizations using						
	PC	servers	local computing networks	e-mail	global information networks	of which Internet	including broadband access
<b>Total</b>	<b>92.3</b>	<b>47.7</b>	<b>63.5</b>	<b>84.0</b>	<b>89.0</b>	<b>88.1</b>	<b>79.5</b>
Mining and quarrying	93.1	69.9	78.3	88.7	91.8	91.0	86.6
including:							
mining of energy producing minerals	93.6	71.7	81.8	88.7	92.0	91.2	88.4
mining except of energy producing minerals	92.4	66.7	72.0	88.7	91.3	90.8	83.3



Continued table 21.2

	Organizations using						
	PC	servers	local com- puting net- works	e-mail	global infor- mation networks	of which Internet	including broadband access
Manufacturing	97.1	67.4	76.6	92.0	96.0	95.7	90.2
of which:							
manufacture of food products, including beverages, and to- bacco	97.7	74.8	82.5	92.4	96.8	96.7	92.1
manufacture of tex- tiles and textile prod- ucts	95.6	57.4	71.9	87.9	93.6	93.6	84.6
manufacture of leather, leather prod- ucts and footwear	97.0	71.0	75.0	93.0	96.0	96.0	88.0
manufacture of wood and wood products	94.2	62.7	69.5	90.9	92.4	92.4	85.9
manufacture of pulp, paper and paper products; publishing and printing	97.9	43.6	61.7	90.3	96.7	96.5	85.8
manufacture of coke and refined petro- leum products	96.4	85.6	85.6	93.5	95.7	95.7	94.2
manufacture of chemical products	96.8	77.2	80.8	94.0	96.6	96.6	92.0
manufacture of rub- ber and plastics products	97.9	79.9	78.3	93.8	96.9	96.9	93.1
manufacture of other non-metallic mineral products	97.5	73.7	81.5	92.7	96.5	96.5	90.5
manufacture of basic metals and fabri- cated metal products	96.8	76.7	81.2	92.6	95.9	95.9	92.0
manufacture of ma- chinery and equip- ment	97.2	70.1	77.3	93.9	95.8	95.7	91.7
manufacture of elec- trical, electronic and optical equipment	98.4	78.9	85.0	93.6	97.5	97.3	93.9
manufacture of transport equipment	94.2	68.0	77.8	89.8	91.4	89.3	86.9



Continued table 21.2

	Organizations using						
	PC	servers	local com- puting net- works	e-mail	global infor- mation networks	of which Internet	including broadband access
Electricity, gas and water supply	92.1	51.4	65.3	83.2	88.3	87.8	77.6
Construction	92.9	61.2	68.3	86.6	91.4	90.5	84.3
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	96.5	61.7	74.7	92.1	94.6	92.5	87.6
Hotels and restaurants	92.6	49.9	57.5	81.9	87.3	87.0	77.7
Transport and commu- nications	91.0	57.7	72.7	83.6	88.4	82.3	77.0
of which communications	97.7	77.1	86.2	92.8	95.3	92.5	89.9
Financial intermediation	94.3	63.0	79.5	89.2	92.2	92.0	89.3
Real estate, renting and business activities	79.8	41.1	51.6	72.0	76.5	75.8	68.7
of which research and development	95.9	68.1	77.2	92.4	95.0	94.7	90.1
Public administration and defence, compul- sory social security	96.5	42.5	64.2	88.1	93.6	93.1	80.7
Higher education	96.9	72.4	84.2	94.1	96.2	96.1	92.5
Health and social work	97.5	56.8	79.0	91.3	96.3	96.2	88.4
Recreating, cultural and sporting activities	90.7	21.8	38.2	73.1	81.1	80.9	69.2
Other activities	96.6	36.5	61.1	88.9	93.6	93.5	80.1



## 21.3. PERSONAL COMPUTERS IN ORGANIZATIONS

	2005	2010	2012	2013	2014	2015
Number of PC in observed organizations – total, thou. units	5709.6	9288.1	10807.5	11438.0	11740.8	11992.3
of which:						
component of local network having access to global network	4057.6	7480.2	8733.7	9394.5	...	...
including those having access to Internet	2032.0	4997.1	6508.1	7220.8	8157.5	8362.0
Computers received in the reporting year, thou. units	1686.1	4553.3	6066.5	6764.4	7277.6	7561.5
Number of PC per 100 employees, total, units	984.2	999.9	1454.1	1351.5	1177.7	952.2
including those having access to Internet	23	36	43	44	47	49
	7	18	24	26	29	31

21.4. ORGANIZATIONS WITH WEB-SITES  
BY ECONOMIC ACTIVITY

(percent of total number of organizations observed,  
of the corresponding type of activity)

	2005	2010	2012	2013	2014	2015
<b>Total</b>	<b>14.8</b>	<b>28.5</b>	<b>37.8</b>	<b>41.3</b>	<b>40.3</b>	<b>42.6</b>
Mining and quarrying	16.4	27.9	33.2	36.8	34.5	37.2
of which:						
mining of energy producing minerals	16.6	25.4	30.8	35.1	32.9	35.2
mining except of energy producing minerals	16.2	31.5	37.0	39.4	37.4	40.9
Manufacturing	29.5	50.8	56.5	57.9	55.9	57.5
of which:						
manufacture of food products, including beverages, and tobacco	22.2	42.7	47.5	50.3	48.7	53.4
manufacture of textiles and textile products	16.2	40.5	46.7	47.7	51.6	53.4
manufacture of leather, leather products and footwear	28.7	43.4	46.7	52.6	48.2	49.0
manufacture of wood and wood products	19.2	37.5	36.3	38.3	42.5	45.1
manufacture of pulp, paper and paper products; publishing and printing	19.4	37.1	49.2	51.9	50.1	51.0



Continued table 21.4

	2005	2010	2012	2013	2014	2015
manufacture of coke and refined petroleum products	43.5	40.2	50.5	49.5	47.1	56.1
manufacture of chemical products	48.2	64.2	66.8	65.7	63.9	62.9
manufacture of rubber and plastics products	44.1	62.9	65.5	66.7	61.9	62.4
manufacture of other non-metallic mineral products	32.4	58.3	62.9	62.7	60.1	62.5
manufacture of basic metals and fabricated metal products	39.8	61.6	65.7	66.9	63.8	67.5
manufacture of machinery and equipment	35.7	60.0	63.9	65.9	60.8	60.8
manufacture of electrical, electronic and optical equipment	47.9	67.3	71.8	72.1	67.2	67.4
manufacture of transport equipment	43.3	57.9	61.2	59.2	56.8	53.8
Electricity, gas and water supply	10.2	24.0	33.8	35.7	34.2	38.6
Construction	13.7	31.2	37.0	38.7	37.1	40.1
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	14.2	35.7	39.5	43.9	48.5	53.3
Hotels and restaurants	13.3	28.5	35.3	36.8	38.2	42.2
Transport and communications	16.7	30.8	35.4	36.7	35.5	36.9
of which communications	42.9	62.5	65.1	67.8	63.6	62.1
Financial intermediation	38.8	54.9	61.6	62.9	60.7	61.6
Real estate, renting and business activities	15.5	26.4	30.6	31.7	29.9	29.7
of which research and development	41.8	63.7	67.9	68.8	64.5	66.8
Public administration and defence, compulsory social security	8.2	24.6	37.5	42.4	39.3	40.9
Higher education	50.4	77.2	83.2	82.4	77.2	78.7
Health and social work	7.4	18.1	41.0	50.6	52.7	59.0
Recreating, cultural and sporting activities	11.2	14.9	23.3	26.9	27.7	32.0
Other activities	4.9	8.2	14.1	16.9	16.5	17.1



**21.5. DISTRIBUTION OF EXPENDITURES OF ORGANIZATIONS  
ON INFORMATION AND COMMUNICATION  
TECHNOLOGIES BY TYPES**  
(bln. roubles)

	2005	2010	2011	2012	2013	2014	2015
<b>Expenditures on information and communication technologies - total</b>	<b>215</b>	<b>516</b>	<b>603</b>	<b>843</b>	<b>1246</b>	<b>1175</b>	<b>1184</b>
including on:							
purchasing of computers and office equipment <sup>1)</sup>	78.5	113	140	201	322	260	239
for the purchase of telecommunications equipment	...	...	...	...	...	154	157
purchasing of software	21.9	81.2	104	169	170	162	207
communication service	56.7	168	185	250	405	279	270
of which access to Internet	...	39.2	53.3	64.2	171	73.0	73.5
training of personnel related to the development and usage of information and communication technologies	2.2	3.7	4.7	5.6	4.6	12.2	6.8
outsourcing by information and communication technologies (except communication services and training)	34.9	98.9	120	147	268	200	239
other	21.1	51.1	49.8	69.5	75.7	107	65.1

<sup>1)</sup> Before 2014 - purchasing of computers.





**21.6. DISTRIBUTION OF EXPENDITURES OF ORGANIZATIONS ON  
INFORMATION AND COMMUNICATION TECHNOLOGIES  
BY ECONOMIC ACTIVITY in 2015**

(percent of total of the corresponding type of activity)

	Ex- pen- ditures on in- for- ma- tion and com- muni- ca- tion tech- no- logies - total	including on							
		purcha- sing of com- pu- ters and office equip- ment	for the pur- chase of tele- com- muni- ca- tions equip- ment	pur- cha- sing of soft- ware	com- muni- ca- tion service	of which access to In- ternet	training of per- sonnel related to the devel- opment and usage of in- for- ma- tion and com- muni- ca- tion tech- no- logies	out- sourc- ing by infor- ma- tion and com- muni- ca- tion tech- no- logies (except com- muni- ca- tion servic- es and train- ing)	other
Total	100	20.2	13.3	17.4	22.8	6.2	0.6	20.2	5.5
Mining and quarrying	100	12.0	4.7	13.3	30.0	6.3	0.6	36.3	3.1
including:									
mining of energy									
producing minerals	100	12.4	5.0	13.0	27.5	5.3	0.7	38.7	2.7
mining except of									
energy producing									
minerals	100	9.2	2.3	15.6	46.9	13.3	0.3	20.4	5.3
Manufacturing	100	27.4	2.8	20.9	20.0	7.0	0.2	23.7	5.0
including:									
manufacture of									
food products, in-									
cluding beverages,									
and tobacco	100	23.6	3.6	17.4	27.5	10.2	0.3	23.3	4.3
manufacture of									
textiles and textile									
products	100	21.0	4.2	15.0	38.5	12.0	0.5	17.3	3.6



Continued table 21.6

	Ex- pen- ditures on in- for- ma- tion and com- mu- ni- ca- tion tech- no- logies - total	including on							
		purcha- sing of com- pu- ters and office equip- ment	for the pur- chase of tele- com- mu- ni- ca- tions equip- ment	pur- cha- sing of soft- ware	com- mu- ni- ca- tion service	of which access to In- ternet	training of per- sonnel related to the devel- op- ment and usage of in- for- ma- tion and com- mu- ni- ca- tion tech- no- logies	out- sour- ing by infor- ma- tion and com- mu- ni- ca- tion tech- no- logies (except com- mu- ni- ca- tion servi- ces and train- ing)	other
manufacture of leather, leather products and footwear	100	30.7	3.6	14.0	31.3	10.8	0.2	17.9	2.2
manufacture of wood and wood products	100	7.7	7.5	13.2	30.2	26.4	0.4	40.4	0.6
manufacture of pulp, paper and paper products; publishing and printing	100	54.0	1.6	13.9	17.3	8.9	0.3	9.4	3.6
manufacture of coke and refined petroleum products	100	8.0	2.3	16.2	4.4	0.3	0.1	67.9	1.2
manufacture of chemical products	100	17.7	5.7	25.0	21.1	9.1	0.4	25.2	4.9
manufacture of rubber and plastics products	100	51.9	2.1	11.2	16.9	6.3	0.5	15.2	2.1
manufacture of other non-metallic mineral products	100	15.9	0.4	39.9	36.1	9.7	0.1	6.0	1.7



Continued table 21.6

	Expenditures on information and communication technologies - total	including on							
		purchasing of computers and office equipment	for the purchase of tele-communications equipment	purchasing of software	communication service	of which access to Internet	training of personnel related to the development and usage of information and communication technologies	outsourcing by information and communication technologies (except communication services and training)	other
manufacture of basic metals and fabricated metal products	100	12.7	5.3	23.5	14.3	2.9	0.3	39.1	4.7
manufacture of machinery and equipment	100	14.7	3.3	17.8	28.8	14.3	0.8	30.9	3.8
manufacture of electrical, electronic and optical equipment	100	19.4	5.0	21.8	34.6	9.6	0.6	13.2	5.4
manufacture of transport equipment	100	49.5	1.8	13.7	8.7	2.2	0.1	15.5	10.7
Electricity, gas and water supply	100	17.4	6.0	17.8	26.5	5.0	0.2	27.0	5.2
Construction	100	26.7	6.1	25.4	27.2	14.7	1.4	5.4	7.8
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	100	29.4	5.4	15.4	23.3	10.1	1.2	20.2	5.1



Continued table 21.6

	Expenditures on information and communication technologies - total	including on							
		purchasing of computers and office equipment	for the purchase of tele-communications equipment	purchasing of software	communication service	of which access to Internet	training of personnel related to the development and usage of information and communication technologies	outsourcing by information and communication technologies (except communication services and training)	other
Hotels and restaurants	100	11.9	7.3	14.6	39.4	19.2	0.9	22.4	3.6
Transport and communications including communications	100	9.8	38.4	18.4	21.5	4.0	0.7	9.5	1.7
Financial intermediation	100	8.4	53.5	18.3	13.6	2.9	0.9	4.2	1.1
Real estate, renting and business activities including research and development	100	23.1	5.9	19.5	20.1	3.7	0.1	25.0	6.2
Public administration and defence, compulsory social security	100	18.4	8.0	17.7	19.4	6.1	0.9	25.7	9.9
Higher education	100	16.6	3.3	21.4	14.1	3.1	1.0	23.8	19.9
Health and social work	100	14.7	12.3	14.0	25.9	7.1	0.5	21.1	11.5
Recreating, cultural and sporting activities	100	35.7	10.3	16.3	16.3	6.7	0.5	15.5	5.4
Other activities	100	17.3	2.6	12.1	25.2	9.9	0.5	36.7	5.6
	100	36.1	14.8	8.3	34.6	6.5	0.7	4.0	1.4
	100	17.0	2.2	12.5	34.8	18.9	0.1	27.9	5.5



**21.7. HOUSEHOLDS WITH THE INTERNET ACCESS**  
 (data from sample surveys on ICT usage in households;  
 percent of total number of households)

	All households - total			including					
				in urban area			in rural area		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
<b>Households with the Internet access:</b>	<b>69.9</b>	<b>72.1</b>	<b>74.8</b>	<b>74.5</b>	<b>76.2</b>	<b>78.5</b>	<b>55.6</b>	<b>59.2</b>	<b>63.6</b>
of which accessed the Internet from:									
desktop computers	43.8	41.1	42.4	47.6	44.1	45.6	31.9	31.8	32.8
portable personal computer (laptop, netbook, etc.)	36.5	38.4	39.1	40.2	42.3	42.7	25.0	26.6	28.3
tablet computer	18.7	22.6	24.5	21.9	25.8	27.8	8.6	12.7	14.7
other mobile devices (mobile phones or smartphones, eBook readers, PDAs, etc.)	32.8	41.4	48.9	36.5	45.8	53.1	21.2	28.1	36.3
including broadband Internet access	64.1	66.8	70.7	70.2	71.6	75.2	45.1	51.9	56.9



**21.8. INDIVIDUALS USING THE INTERNET**

(data from sample surveys on ICT usage in households)

	Population aged 15-72 - total			including living					
				in urban area			in rural area		
	2014	2015	2016	2014	2015	2016	2014	2015	2016
<b>Individuals using the Internet</b> (percent of the population aged 15-72):									
within the last 3 months	67.2	70.1	73.1	71.8	74.1	77.1	53.5	58.1	61.1
between 3 months and a year	3.3	3.3	3.3	3.1	3.2	3.0	3.9	3.7	4.4
more than 1 year ago	3.6	4.3	4.4	3.8	4.4	4.2	3.0	3.7	4.9
never used	25.9	22.3	19.2	21.3	18.3	15.7	39.6	34.5	29.7
<b>Individuals using mobile phones / smartphones to access the Internet in the last 3 months</b> (percent of the population aged 15-72)	32.0	37.6	44.7	33.9	40.1	47.8	26.1	30.1	35.1
<b>Places where the individual used the Internet within the last 3 months</b> (percent of the population aged 15-72, who used the Internet within the last 3 months):									
home	93.9	94.7	96.0	95.1	95.7	96.8	89.0	90.8	92.8
workplace	29.9	32.7	35.4	31.9	34.7	37.5	21.9	25.4	27.3
educational facilities	8.2	8.6	9.0	8.1	8.4	9.0	8.7	9.1	9.0
friends, acquaintances	10.6	11.7	13.9	10.7	11.8	13.9	10.3	11.3	14.1
hotspots with public WiFi (hotels, airports, public places, etc.)	7.9	10.6	12.3	9.1	12.1	14.2	3.1	4.7	5.3

## 22. TRADE AND SERVICES RENDERED TO POPULATION

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The section represents data on retail, wholesale trade and consumer market of services. The data characterize the activities of organizations of retail and wholesale trade. The state of retail and wholesale are illustrated by data on trade turnover, indices of retail trade physical volume turnover. Information is given on commodity structure, sales of main products, and their quality. The statistical data is shown on sales and stock of goods (products) by organizations of wholesale trade, on activities of exchanges engaged in organized commodity trade.

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This section of the handbook presents statistical data on the total volume of market services rendered to population and by specific services. The data in value terms is given at actual prices.

**Retail trade turnover** – a revenue from goods sold to population for own consumption or for use in households and paid by cash or credit cards, by bank cheques, from bank accounts of individuals by bank transfer or by payment cards (electronic money).

The value of goods sold with discount to selected categories of population or paid completely by social security bodies is to be included in the total retail trade turnover in complete value. Retail trade turnover does not include cost of goods, sold by retail trade network to legal entities (including bodies of social security, special customers etc.) and individual entrepreneurs and public catering turnover.

Retail trade turnover data include the cost of goods sold to population by organizations for which retail trade is the main kind of activity and by organizations of other sectors of the economy, if they sell goods to population over their own trade establishments or with payments made over pay-desk. Retail trade turnover also includes the value of goods sold by individual entrepreneurs and individuals (physical persons) in retail markets and fairs.



Retail trade turnover is formed on the basis of the full-scale federal statistical observation of organizations, which are not subjects of small business, quarterly sample surveys on small businesses engaged in retail trade (except micro-enterprises), commodity markets, and annual sample surveys of individual entrepreneurs and micro-enterprises. The collected data is applied for general universe of statistical units.

Retail trade turnover is given at actual selling prices, which include trade margin, value added tax and similar compulsory payments.

**Wholesale turnover** - is a revenue of goods sold, purchased previously outside with the aim to resell to legal entities and individual entrepreneurs for professional use (reprocessing or further sale).

Wholesale turnover includes data of organizations for which wholesale trade is the main kind of activity as well as for other organization engaged in wholesale trade.

Wholesale turnover is formed on the basis of the full-scale federal statistical observation of organizations, which are not a subject of small business, sample survey on small businesses engaged in wholesale trade (except micro-enterprises), which are conducted monthly, annual sample surveys of individual entrepreneurs (since 2007) and micro-enterprises. The collected data is applied for general universe of statistical units.

Wholesale turnover is given at actual selling prices, which includes trade margin, value added tax, excise, export duty, custom dues and similar compulsory payments. The sum of broker's and agent's remuneration is reflected in the actual value including VAT.

Besides in accordance with the National account requirements the wholesale turnover is to be adjusted to the volume of hidden activities, which are not observed by direct statistical methods.

Dynamics of retail trade and retail sales of selected goods is characterized by volume indices which are defined by comparability of a turnover value (trade) for reference and basis periods at constant prices.

**Volume of market services rendered to population** represents volume money equivalent of services provided by residents of the Russian Federation (legal entities and citizens carrying out the business without status of legal entities, registered on the territory of the Russian Federation) to the citizens of the Russian Federation, and also to the citizens of other countries, consuming services on the territory of the Russian Federation. This indicator is based on data of the federal state statistical





observation and on the estimation of non-observed activities in the market of services (up to 2012 (inclusive) - in accordance with the methodology approved by the Decision of Goskomstat of Russia of February 25, 2000 № 15, from 2013 – in accordance with the methodology approved by the Order of Rosstat of June 26, 2013 № 234). Changes in the volume of market services is characterized by the volume index, calculated by comparing its value for the reporting and base periods at constant prices. In order to achieve statistical comparability volume indices for 2014 are calculated without account to data on the Republic of Crimea and the city of Sevastopol.

**Market services rendered to population** include: personal services, transport services, communication, housing and public utilities, hotels and accommodation service, education services, cultural and recreational services, tourism, physical culture and sports, public health services and related health and sanitation services, veterinary, judicial services, social services rendered to senior citizens and disabled, etc.



**22.1. NUMBER OF TRADE ORGANIZATIONS AND  
SMALL BUSINESSES BY ECONOMIC ACTIVITY <sup>1)</sup>**

(end of year, thou.)

	2005	2010	2012	2013	2014	2015	2016
Organizations of wholesale and retail trade; repair of motor vehicles and motor- cycles, personal and household goods	1831.4	1788.5	1784.6	1711.2	1697.4	1754.5	1585.0
including:							
sale, maintenance and repair of motor vehicles and motor- cycles	85.3	137.8	139.7	142.3	144.3	149.4	140.8
agent's trade, except sale of motor vehicles and motorcycles	1379.9	1277.2	1271.7	1193.3	1176.4	1224.6	1092.0
retail trade, except sale of motor vehicles and motorcycles; re- pair of personal and household goods	366.1	373.4	373.1	375.5	376.7	380.5	352.3
Individual entrepreneurs in retail trade, except sale of motor vehicles and motorcycles; repair of personal and house- hold goods	1448.3	1769.0	1654.7	1442.2	1437.1	1418.7	1384.7

<sup>1)</sup> Data source: State registration.

**22.2. TURNOVER AND AVERAGE ANNUAL NUMBER  
OF EMPLOYEES OF TRADE ORGANIZATIONS <sup>1)</sup>**

	Turnover of organizations, bln. roubles			Average annual number of em- ployees, thou. persons		
	2005	2015	2016	2005	2015	2016
Motor vehicles and motorcycles trade, maintenance and repair	1211.7	6172.0	6478.1	397.4	571.3	566.0
Wholesale trade (including agent's trade), except sale of motor vehicles and motorcycles	10251.7	39264.0	38159.0	2265.0	2402.4	2373.8
Retail trade, except sale of motor vehicles and motorcycles, and repair of personal and household goods	2659.7	10926.4	11944.0	1808.4	2732.9	2764.8

<sup>1)</sup> For 2014 - without account to data on the Crimean Federal District.

**RETAIL TRADE**
**22.3. TURNOVER AND TRADE STOCK OF RETAIL TRADE <sup>1)</sup>**

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Retail trade turnover – total, bln. roubles (1992 - trln. roubles)	5.1	2352	7041	16512	21394	23686	26356	27527	28317
including:									
turnover of trade organizations and individual entrepreneurs out of market sales of goods in retail markets and fairs	4.0	1735	5545	14457	19126	21454	24057	25358	26310
Out of total volume of retail trade turnover, bln. roubles (1992 - trln. roubles):	1.1	617	1496	2055	2268	2232	2299	2169	2007



Continued table 22.3

	1992	2000	2005	2010	2012	2013	2014	2015	2016
food products, including beverages, and tobacco <sup>2)</sup>	2.3	1093	3217	8002	9961	11143	12381	13412	13752
non-food products <sup>3)</sup>	2.8	1259	3824	8510	11433	12543	13975	14115	14565
Trade stock of retail trade organizations <sup>4)</sup> (end of year): total, bln. roubles (1992 - trln. roubles) in days of trade	0.8 49	98.2 29	280.5 28	591.9 29	861.2 30	1003.8 31	1133.7 29	1266.7 32	1395.4 33

<sup>1)</sup> Value indicators are given at actual prices.

<sup>2)</sup> Before 2010 data is presented on retail trade turnover of food products.

<sup>3)</sup> Before 2010 data is presented on retail trade turnover of non-food products, including tobacco.

<sup>4)</sup> Trade stock for 2005 is presented for all organizations engaged in retail trade.

#### 22.4. VOLUME INDICES OF RETAIL TRADE TURNOVER (percent of previous year)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Retail trade turnover - total	100.3	109	113	107	106	104	103	90	95
of which:									
turnover of trade organizations and individual entrepre- neurs out of market	90	110	114	108	107	105	104	91	96
sale of goods in retail markets and fairs	173	106	107	100	98	92	93	81	86
Out of the total volume of retail trade turnover:									
food products, including beverages, and tobacco <sup>1)</sup>	91	107	110	105	104	103	100	91	95
non-food products <sup>2)</sup>	107	110	115	108	109	105	105	89	96

<sup>1)</sup> Before 2010 data is presented on retail trade turnover of food products.

<sup>2)</sup> Before 2010 data is presented on retail trade turnover of non-food products, including tobacco.



## 22.5. RETAIL TRADE TURNOVER BY OWNERSHIP TYPES

(at actual prices)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. roubles (1992 – trln. roubles)</b>								
<b>Retail trade turnover - total</b>	<b>5.1</b>	<b>2352</b>	<b>7041</b>	<b>16512</b>	<b>21394</b>	<b>23686</b>	<b>26356</b>	<b>27527</b>	<b>28317</b>
including by ownership types :									
state and municipal private	2.9	99	155	217	210	202	208	227	234
consumer cooperation	1.5	1950	6078	13938	17749	19918	22272	23708	24228
other ownership types	0.7	41	91	161	178	180	171	171	162
	0.7	262	717	2196	3257	3386	3705	3421	3693
	<b>Percent of total</b>								
<b>Retail trade turnover - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including by ownership types :									
state and municipal private	56	4	2	1	1	1	1	1	1
consumer cooperation	30	83	86	84	83	84	84	86	85
other ownership types	14	2	1	1	1	1	1	1	1
	14	11	11	14	15	14	14	12	13

## 22.6. RETAIL TRADE TURNOVER OF BASIC PRODUCTS

(at actual prices; percent of total)

	1992	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
<b>All products</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Meat and poultry <sup>2)</sup>	4.9	4.2	5.3	3.7	3.5	3.4	3.5	3.7	3.6
Meat products	4.4	4.5	4.6	3.9	4.0	3.9	3.9	4.0	4.0
Meat cans	0.7	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Fish and sea products	1.7	2.6	2.1	1.9	1.9	1.9	2.0	2.1	2.1
Butter	2.0	1.3	0.8	0.7	0.7	0.7	0.8	0.8	0.8
Vegetable oil	0.5	0.8	0.7	0.6	0.6	0.6	0.5	0.6	0.7
Margarine products	0.5	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2



## 22. TRADE AND SERVICES RENDERED TO POPULATION

Continued table 22.6

	1992	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
Dairy products	2.1	2.5	1.9	2.1	2.0	2.1	2.3	2.5	2.5
Fat cheese	0.6	1.3	1.4	1.0	1.0	1.0	1.2	1.2	1.2
Eggs	1.2	1.1	0.9	0.6	0.6	0.6	0.6	0.7	0.7
Sugar	3.2	1.5	1.0	0.9	0.8	0.8	0.8	0.9	0.9
Confectionery	3.5	3.1	2.7	3.0	3.0	3.0	3.0	3.3	3.5
Flour	0.7	0.9	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Groats	0.5	0.9	0.5	0.5	0.6	0.5	0.5	0.6	0.6
Pasta and macaroni products	0.6	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Bread and bakery products	3.5	3.8	2.6	2.3	2.2	2.2	2.2	2.4	2.4
Fresh potatoes	1.2	0.7	0.6	0.5	0.4	0.5	0.5	0.5	0.4
Fresh vegetables	1.9	1.4	1.3	1.6	1.4	1.4	1.4	1.6	1.5
Fresh fruits	2.0	1.5	1.3	1.6	1.6	1.6	1.7	2.0	2.0
Tea	0.5	0.7	0.4	0.5	0.5	0.5	0.5	0.5	0.6
Alcoholic beverages	7.5	9.7	9.6	7.6	7.4	7.4	7.1	6.9	6.8
Tobacco products	2.5	2.4	1.4	1.4	1.6	1.8	2.1	2.3	2.5
Fabrics	1.3	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.2
Outerwear	...	11.5	9.6	7.2	6.8	6.7	6.4	5.8	5.6
Fur clothes	1.0	1.0	0.7	0.5	0.5	0.5	0.4	0.4	0.4
Hosiery	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Leather footwear	5.0	4.8	3.8	2.6	2.5	2.4	2.3	2.1	2.0
Cleaning, washing and polishing synthetic preparations <sup>3)</sup>	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
Toilet and laundry soap	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Perfumery	1.0	1.6	1.5	1.6	1.6	1.7	1.7	1.9	1.9
Watches	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Computers	...	...	0.5	0.6	0.6	0.6	0.6	0.5	0.6
Mobile phones	...	...	...	0.8	0.7	0.7	0.7	0.8	0.9



## 22. TRADE AND SERVICES RENDERED TO POPULATION

Continued table 22.6

	1992	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
Audio systems	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1
TV-sets <sup>4)</sup>	1.4	0.7	0.9	0.6	0.7	0.6	0.7	0.5	0.6
Video-tape-recorders	...	...	0.1	0.1	0.1	0.1	0.04	0.04	0.03
Refrigerators and freezers	0.9	0.7	0.8	0.5	0.5	0.4	0.4	0.4	0.4
Washing machines	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
Bicycles and motorcycles	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Motorbikes	0.4	0.1	0.1	0.04	0.04	0.04	0.1	0.04	0.04
Passenger motor cars	2.6	6.2	7.6	4.9	6.1	6.1	6.0	5.0	5.0
Gasoline	1.3	3.3	5.6	5.8	6.5	6.6	6.3	6.4	6.5
Furniture	2.7	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.5
Floor coverings, car- pets and carpet ar- ticles <sup>5)</sup>	0.7	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Building materials	0.9	1.8	1.8	1.9	2.0	2.0	2.0	2.0	1.9
Jewellery of precious metals and stones	1.6	0.6	0.5	0.7	0.8	0.8	0.8	0.8	0.8
Pharmaceutical, medicine and orthopedic goods	0.2	3.1	2.9	3.5	3.3	3.3	3.5	3.9	4.2
Books <sup>6)</sup>							0.3	0.3	0.3
Newspapers and magazines <sup>6)</sup>	...	...	} 0.7	0.7	0.6	0.6			
	...	...					0.2	0.2	0.2

<sup>1)</sup> Short-term data.

Before 2010 data is presented on the following commodities:

<sup>2)</sup> meat and poultry, including by-products;

<sup>3)</sup> detergents, synthetic;

<sup>4)</sup> TV-sets, color;

<sup>5)</sup> carpets and carpet articles;

<sup>6)</sup> printing production.

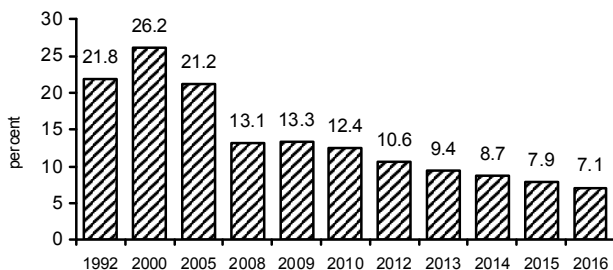


**22.7. NUMBER OF RETAIL MARKETS AND TRADING PLACES IN THEM**  
 (as of January 1)

Years	Number of retail markets	Number of trade places in them	
		total, thou.	average per one market, places
2007	5892	1203	204
2010	3497	971	277
2012	3159	896	284
2013	2162	625	289
2014	1589	424	267
2015	1447	394	272
2016	1308	352	269
2017	1158	311	269

**22.8. NUMBER OF RETAIL FAIRS AND TRADING PLACES IN THEM**

Years	Number of retail fairs	Number of trade places in them	
		total, thou.	average per one retail fair, places
2013	26843	1959	73
2014	28162	1792	64
2015	32225	1852	58
2016	34951	1864	53

**22.9. SHARE OF PRODUCTS SOLD IN MARKETS AND FAIRS IN RETAIL TRADE TURNOVER**  
 (at actual prices)




**22.10. VOLUME INDICES OF RETAIL TRADE TURNOVER  
BY SELECTED PRODUCTS**  
(percent of previous year)

	1992	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
Meat and poultry <sup>2)</sup>	87	106	109	103	102	101	105	95	100
Meat products	99	104	108	107	104	102	100	90	99
Meat cans	...	89	112	105	101	103	109	83	96
Fish and sea products	...	109	105	110	104	105	106	86	93
Butter	75	105	101	99	102	102	97	94	96
Vegetable oil	115	114	113	108	104	102	109	91	95
Margarine products	113	104	104	104	100	101	103	86	91
Dairy products	65	105	107	105	107	107	104	98	97
Fat cheese	68	128	110	106	107	104	105	92	98
Eggs	85	107	109	107	103	96	105	94	99
Sugar	98	100	109	97	116	106	101	86	100
Confectionery	75	107	108	106	103	103	104	95	96
Flour	104	102	105	107	104	92	104	97	98
Groats	93	95	103	101	127	104	103	85	98
Pasta and macaroni products	118	97	101	107	107	102	105	90	97
Bread and bakery products	108	97	105	106	102	100	102	100	99
Fresh potatoes	109	117	105	90	135	93	99	106	112
Fresh vegetables	106	123	106	102	125	106	106	91	104
Fresh fruits	112	121	113	110	107	107	107	90	98
Tea	101	89	100	108	106	104	104	88	93
Alcoholic beverages	81	105	109	101	102	95	94	91	94
Tobacco products	111	118	107	96	99	98	94	92	93
Fabrics	105	96	108	103	105	105	97	88	92
Outerwear	...	106	111	103	105	103	102	86	86
Fur clothes	117	105	108	101	103	101	101	89	94
Hosiery	103	115	108	100	106	105	104	93	94
Leather footwear	113	109	103	102	106	101	101	88	89



## 22. TRADE AND SERVICES RENDERED TO POPULATION

Continued table 22.10

	1992	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
Cleaning, washing and polishing synthetic preparations <sup>3)</sup>	93	115	103	104	104	108	105	101	98
Toilet and laundry soap	129	115	101	102	103	104	99	95	94
Perfumery	114	120	117	105	110	108	103	98	96
Watches	101	114	106	101	106	106	97	76	93
Computers	...	...	128	113	121	109	110	76	110
Mobile phones	...	...	...	117	113	113	114	104	120
Audio systems	102	113	90	116	103	101	104	81	101
TV-sets <sup>4)</sup>	106	131	132	109	115	108	114	72	101
Video-tape-recorders	...	...	131	99	97	95	94	73	86
Refrigerators and freezers	101	105	107	103	109	101	105	80	98
Washing machines	101	116	116	108	109	100	102	77	97
Bicycles and motorcycles	104	124	106	109	112	110	107	95	98
Motorbikes	101	101	109	106	117	110	128	82	87
Passenger motor cars	103	100	145	111	117	107	106	75	97
Gasoline	...	...	114	103	108	104	99	100	99
Furniture	106	116	115	108	107	107	106	95	95
Floor coverings, carpets and carpet articles <sup>5)</sup>	129	113	108	109	106	107	105	90	97
Building materials	60	102	113	112	107	107	104	98	95
Jewellery of precious metals and stones	133	106	119	99	98	104	107	86	97
Pharmaceutical, medicine and orthopedic goods	94	116	115	109	105	104	106	94	103
Books <sup>6)</sup>	...	...	115	102	100	99	118	105	92
Newspapers and magazines <sup>6)</sup>	...	...	115	102	100	99	125	90	88

<sup>1)</sup> Short-term data.

Before 2010 data is presented on the following commodities:

<sup>2)</sup> meat and poultry, including by-products;

<sup>3)</sup> detergents, synthetic;

<sup>4)</sup> TV-sets, color;

<sup>5)</sup> carpets and carpet articles;

<sup>6)</sup> printing production.



**22.11. SALE OF CERTAIN FOOD PRODUCTS <sup>1)</sup>**

	2000	2005	2010	2012	2013	2014	2015
Meat and poultry, thou. ton	2865	4871	5520	5859	6163	6465	6266
of which:							
poultry, thou. ton	...	2480	3600	3879	4027	4308	4239
Meat cans, mln. standard cans	492	634	657	738	701	710	545
Butter, thou. ton	388	476	364	377	391	377	355
Vegetable oil, thou. ton	571	1013	1632	1668	1677	1794	1643
Cheese, thou. ton	339	689	808	858	850	789	762
Sugar, thou. ton	2623	2984	2936	3161	3017	3083	3115
Flour, thou. ton	...	2888	3033	3210	3082	3159	3073
Groats, thou. ton	...	961	1284	1338	1320	1433	1330

<sup>1)</sup> Rosstat estimation on the basis of balance method.

**22.12. SALE OF ALCOHOLIC BEVERAGES**

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Alcoholic beverages									
In absolute alcohol:									
total, mln. dkl	74.4	117.5	133.2	127.6	131.1	122.1	110.5	99.2	96.8
per capita, litres	5.0	8.0	9.3	8.9	9.2	8.5	7.6	6.8	6.6
In quantity, mln. dkl:									
vodka and liqueurs	143.9	214.6	203.5	157.8	153.0	133.6	112.4	97.2	96.6



## 22. TRADE AND SERVICES RENDERED TO POPULATION

Continued table 22.12

	1992	2000	2005	2010	2012	2013	2014	2015	2016
wine products (less champagne) <sup>1)</sup>	48.0	52.4	84.9	103.4	93.6	83.6	90.4	86.9	84.9
cognac, cognac-based drinks (including brandy, Calvados)	4.2	4.1	6.8	11.1	12.4	12.1	11.5	10.6	10.3
champagne	4.0	18.3	19.4	27.3	28.3	27.7	26.4	23.6	22.0
low-alcoholic beverages (with ethyl alcohol by volume less 9%)	...	...	...	31.9	26.9	23.3	17.8	10.0	8.8
beer, except beer cocktails and malt beverages	273.3	524.6	892.1	1004.0	1017.5	984.2	895.9	810.2	780.6
beer-based beverages <sup>2)</sup>						37.1	56.5	63.6	60.0

<sup>1)</sup> Before 2012 – wine, grape.<sup>2)</sup> Federal statistical observation organized since 2013.**22.13. RETAIL TRADE COMMODITY RESOURCES**

(at actual prices; percent of total)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Commodity resources - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including the expense of:									
own production	77	60	55	56	56	56	58	62	62
import acquisitions	23	40	45	44	44	44	42	38	38



**22.14. QUALITY OF PRODUCTS ENTERING  
CONSUMER MARKET <sup>1)</sup>**

 (percent of number of selected good samples  
by each commodity group)

	Products that failed to meet quality requirements and (or) are dangerous					
	2005		2015		2016	
	domestic	imported	domestic	imported	domestic	imported
<b>Food products</b>						
Meat and poultry	14.1	9.5	5.4	3.3	3.3	2.9
of which poultry	10.6	4.7	6.8	1.6	3.1	3.8
Sausages	5.7	3.6	2.7	2.3	2.1	0.7
Fish edible commercial products (without canned fish)	3.8	44.1	8.3	19.4	1.7	1.0
Cans, meat and vegetable	8.8	3.1	0.3	0.5	1.3	5.9
Cans and preserved fish	2.9	35.3	5.5	0.3	8.3	2.4
Canned fruits and berries	26.6	8.8	2.5	7.3	0.6	4.6
Pasta and macaroni products	12.6	2.5	0.6	0.3	0.4	10.2
Groats	17.4	53.7	1.3	0.6	0.9	3.2
Flour	7.1	6.1	0.5	0.0	0.5	0.0
Confectionery	6.7	14.1	4.3	5.6	2.4	1.2
Butter	2.0	4.8	4.3	0.1	4.0	1.2
Vegetable oil	8.8	4.0	0.4	0.1	0.1	0.3
Margarine and mayonnaise products	7.8	25.3	2.4	0.4	0.3	1.8
Dairy products	4.4	5.3	5.8	2.6	1.1	2.8
Cheese	1.6	5.6	2.3	4.5	1.7	0.6
<b>Alcoholic beverages and beer</b>						
Vodka and liqueurs	5.7	1.4	2.9	0.4	6.1	7.5
Grape and berry wine	2.1	4.6	1.5	1.9	1.0	2.8
Champagne	1.1	0.6	0.2	0.6	0.3	1.5
Cognac	4.7	6.0	0.7	0.3	0.7	0.1
Beer	8.6	4.1	4.2	8.1	1.3	1.7
<b>Non-food products</b>						
Perfumery – cosmetics goods	30.5	19.1	0.6	3.9	0.1	9.2
Detergents, synthetic	8.3	57.1	6.2	0.6	5.8	4.8
Sewn goods	51.6	56.3	10.5	6.2	4.9	46.0



Continued table 22.14

	Products that failed to meet quality requirements and (or) are dangerous					
	2005		2015		2016	
	domestic	imported	domestic	imported	domestic	imported
Knitwear articles	25.5	42.3	7.9	7.9	3.8	55.2
Hosiery	30.8	52.3	1.7	0.6	5.8	44.9
Leather footwear	37.4	48.5	14.7	14.3	1.8	49.3
TV-sets	13.6	14.8	2.2	5.2	0.5	1.2
Video-tape-recorders	56.0	24.6	2.8	17.7	0.9	12.1
Video and audio cassettes	...	...	3.1	0.0	1.4	4.8
Radio-receivers	13.6	29.9	1.0	12.8	3.7	13.6
Washing machines	8.3	25.5	0.6	8.2	0.1	0.3
Refrigerators	10.3	13.4	0.8	1.1	0.1	0.6
Passenger motor cars	25.9	30.4	0.0	3.0	0.0	0.0
Furniture	41.0	41.1	17.4	30.0	16.8	15.1

<sup>1)</sup> Data source: Rospotrebnadzor revisions of trade organizations.

## WHOLESALE TRADE

### 22.15. WHOLESALE TRADE TURNOVER

	2000	2005	2010	2012	2013	2014	2015	2016
Wholesale trade turnover – total:								
bln. roubles	4256.8	15626.0	32153.5	42946.0	45121.4	51343.9	56732.5	61351.3
percent of previous year (at constant prices)	144.5	114.8	103.0	103.6	100.7	103.9 <sup>1)</sup>	94.5	102.6
including wholesale turnover of wholesale organizations, including agent's trades, except sale of motor vehicles and motorcycles <sup>2)</sup> :								
bln. roubles	3133.7	11007.5	25955.6	33595.7	35673.4	41434.5	46732.2	49943.0
percent of previous year (at constant prices)	154.8	100.7	99.9	101.7	101.8	106.1 <sup>1)</sup>	96.5	101.4

<sup>1)</sup> In order to achieve statistical comparability relative indicators are calculated without account to data on the Republic of Crimea and the city of Sevastopol.

<sup>2)</sup> Data for 2000 is given for wholesale trade organizations, including sale of motor vehicles and motorcycles.



22.16. KEY PERFORMANCE INDICATORS OF EXCHANGES <sup>1)</sup>

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Number of exchanges (end of year)	224	45	31	23	14	14	5	7	7
Average payroll number of employees at exchanges (excluding part-time and non-payroll workers), thou. persons	7.8	0.5	0.2	0.5	0.2	0.2	0.2	1.0	1.0
Number of part-time workers, persons (1992 - thou. persons)	2.0	70	55	31	22	19	27	50	24
Number of auctions held, thou.	19.7	2.6	1.8	3.4	3.1	2.6	1.3	1.3	1.5
Number of physical commodity deals concluded, thou.	147.7	9.8	22.6	73.0	26.3	62.3	90.4	107.3	135.0
Turnover of exchange by physical commodity deals <sup>2)</sup> - total, mln. roubles (1992 - bln. roubles)	335.1	4997	7404	257110	335291	450581	541873	567630	637733
including:									
products for production-and-technical purposes	227.0	1812	1155	157831	310748	424158	539809	544578	624653
agricultural output <sup>3)</sup>	} 107.9 <sup>4)</sup>	2929	5834	4180	23673	26268	2064	23052	13080
non-food consumer goods		86	173	2104	520	117	-	-	-
other commodities		0.2	170	242	92995	350	-	-	-

Sales of mineral fuel, petroleum and products of the distillation (98.8% of the total exchange turnover) prevailed at the stock exchange auctions in 2016.

<sup>1)</sup> Data is presented on exchanges carrying out activities of holding auctions with physical commodity deals.

<sup>2)</sup> At actual prices, excluding turnover of futures deals and sale of quotas.

<sup>3)</sup> Up to 2014 –output of agricultural complex.

<sup>4)</sup> Consumer goods, grains.



**SERVICES RENDERED TO POPULATION****22.17. VOLUME OF MARKET SERVICES RENDERED TO POPULATION**

Years	Mln. roubles (1992 – bln. roubles)	Percent of previous year (at constant prices)
1992	515	81.6
2000	602755	104.7
2005	2271733	106.3
2010	4943482	101.5
2012	6036839	103.5
2013	6927482	102.0
2014	7467521	101.0
2015	8050808	98.9
2016 <sup>1)</sup>	8377763	99.7

<sup>1)</sup> Short-term data.

**22.18. VOLUME INDICES OF MARKET SERVICES  
RENDERED TO POPULATION**

(at constant prices; percent of previous year)

	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
<b>All services rendered</b>	<b>104.7</b>	<b>106.3</b>	<b>101.5</b>	<b>103.5</b>	<b>102.0</b>	<b>101.0</b>	<b>98.9</b>	<b>99.7</b>
of which:								
personal services	103.0	105.5	102.9	104.4	105.1	101.6	101.1	98.9
transport services	99.6	104.2	96.1	104.4	101.5	99.7	96.5	103.4
communication services	112.8	118.6	105.2	106.0	103.9	102.1	98.7	97.0
housing services	94.1	102.5	106.0	104.4	101.6	99.7	98.1	103.2
public utilities	100.9	100.7	103.5	100.8	99.7	100.7	99.6	99.5
hotels <sup>2)</sup>	...	96.1	99.1	103.7	103.1	103.5	102.6	108.1
cultural services	105.6	99.1	99.5	100.5	101.6	98.7	99.0	101.7
tourist services	97.8	121.6	120.8	100.8	101.0	94.6	96.0	91.8



## 22. TRADE AND SERVICES RENDERED TO POPULATION

Continued table 22.18

	2000	2005	2010	2012	2013	2014	2015	2016 <sup>1)</sup>
physical culture and sport services	100.1	137.7	98.4	103.3	106.7	106.4	109.8	108.6
medical services	110.1	106.8	102.2	106.7	103.5	104.0	100.1	99.7
resorts and health improvement services	99.8	105.6	94.3	103.5	99.8	104.2	107.4	99.6
veterinarian services	...	95.5	91.5	108.3	107.2	103.2	98.9	99.0
judicial services	113.7	106.3	85.3	86.6	100.2	96.2	91.9	91.5
education services	121.7	107.7	99.1	101.3	98.9	98.0	96.8	97.5
social services rendered to senior citizens and disabled <sup>3)</sup>	...	...	...	...	...	...	...	...
other market services <sup>3)</sup>	...	...	...	...	...	...	...	...

<sup>1)</sup> Short-term data.

<sup>2)</sup> In 2000 were recorded as housing services.

<sup>3)</sup> Consumer prices (tariff) index for this type of services is not calculated.

**22.19. MARKET SERVICES RENDERED TO POPULATION BY TYPES**  
 (percent of total)

	2000	2005	2010	2013	2014	2015	2016 <sup>1)</sup>	
							Percent	Bln. rouble
<b>All services rendered</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>8377.8</b>
including:								
personal services	14.6	10.1	9.9	10.8	10.8	10.9	10.5	879.5
transport services	25.8	21.5	19.0	18.7	18.6	18.4	20.0	1678.0
communication services	11.2	18.5	19.2	17.7	17.0	15.9	15.1	1263.5
housing services	6.1	5.3	5.8	5.7	5.9	6.5	6.7	557.3
public utilities	14.2	18.3	21.1	21.1	21.0	21.1	21.3	1780.4
hotels <sup>2)</sup>	...	2.6	2.3	2.3	2.4	2.3	2.4	202.0
cultural services	1.7	2.3	1.7	1.7	1.7	1.7	1.8	149.2
tourist services	1.8	1.5	2.0	2.1	2.0	2.0	1.7	140.7



## 22. TRADE AND SERVICES RENDERED TO POPULATION

Continued table 22.19

	2000	2005	2010	2013	2014	2015	2016 <sup>1)</sup>	
							Percent	Bln. rouble
physical culture and sport	0.4	0.7	0.6	0.7	0.7	0.8	0.8	67.4
medical services	4.6	4.8	5.1	6.0	6.4	6.6	6.5	547.5
resorts and health improvement	2.8	1.6	1.2	1.2	1.2	1.4	1.4	119.2
veterinarian services	...	0.2	0.2	0.2	0.2	0.2	0.2	16.2
judicial services	5.2	2.3	1.7	1.2	1.2	1.2	1.2	98.2
education services	6.9	6.7	6.6	6.5	6.5	6.7	6.7	563.8
social services rendered to senior citizens and disabled	...	...	...	0.2	0.2	0.2	0.2	18.4
other services	4.7	3.6	3.6	3.9	4.2	4.1	3.5	296.5

<sup>1)</sup> Short-term data.

<sup>2)</sup> In 2000 were recorded as housing services.

**22.20. VOLUME OF PERSONAL SERVICES  
RENDERED TO POPULATION <sup>1)</sup>**

Years	Mln. roubles	Percent of previous year (at constant prices)
2000	87889	103.0
2005	228679	105.5
2010	487178	102.9
2012	595026	104.4
2013	745747	105.1
2014	806022	101.6
2015	877938	101.1
2016 <sup>2)</sup>	879532	98.9

<sup>1)</sup> Since 2005 excluding transport–spending service, which according to changes in Russia Classification of services rendered to population are registered in the indicator «transport services».

<sup>2)</sup> Short-term data.



**22.21. VOLUME INDICES OF PERSONAL SERVICES  
RENDERED TO POPULATION**

(at constant prices; percent of previous year)

	2000	2005	2010	2013	2014	2015	2016 <sup>1)</sup>
<b>All personal services rendered</b>	<b>103.0</b>	<b>105.5</b>	<b>102.9</b>	<b>105.1</b>	<b>101.6</b>	<b>101.1</b>	<b>98.9</b>
of which:							
repair, dyeing and individual manufacture of footwear	101.1	101.0	75.4	98.0	98.7	96.9	95.1
repair dyeing and individual manufacture of clothing, fur and leather articles, hats and textile haberdashery articles, repair and manufacture of knitted goods	93.9	99.8	65.3	100.3	98.8	98.5	92.8
repair and maintenance of radio and television apparatus, household machinery and instruments, repairs and manufacture of metal ware	106.7	94.8	107.8	102.8	104.0	99.6	100.3
maintenance and repair of transport, machinery and equipment	109.7	115.4	102.2	112.9	104.5	100.7	99.7
repair and manufacture of furniture <sup>2)</sup>	...	...	...	...	...	...	...
dry cleaning and dyeing	115.5	103.5	92.9	96.2	103.1	98.8	98.8
laundry services	101.9	89.3	77.1	108.0	95.4	97.2	96.2
repair and construction of dwellings and other buildings	101.5	107.8	108.7	102.4	98.7	103.2	99.9
photographic and cinema services	111.6	105.2	89.8	101.8	97.6	92.3	95.2
bath and shower house services	112.0	98.5	108.6	100.6	97.4	93.7	97.0
hair dressers and barbers services, cosmetic services	104.2	104.4	106.6	103.3	103.5	101.3	96.8
hiring and rent services <sup>2)</sup>	...	...	...	...	...	...	...
transport and shipping services <sup>2)</sup>	...	...	...	...	...	...	...
funeral services	105.3	105.5	98.5	98.0	100.0	99.5	96.9
other personal services <sup>2)</sup>	...	...	...	...	...	...	...

<sup>1)</sup> Short-term data.<sup>2)</sup> Consumer prices (tariff) index for this type of services is not calculated.

**22.22. DISTRIBUTION OF PERSONAL SERVICES  
RENDERED TO POPULATION BY TYPES**  
(percent of total)

	2000	2005	2010	2013	2014	2015	2016 <sup>1)</sup>	
							Per- cent	Bln. rouble
<b>All services rendered</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>879.5</b>
including:								
repair, dyeing and individual manufacture of footwear	2.8	2.7	1.7	1.5	1.4	1.4	1.4	12.1
repair and individual manufacture of clothing, fur and leather articles, hats and textile haberdashery articles, repair and manufacture of knitted goods	10.4	9.2	4.3	3.7	3.6	3.5	3.2	28.5
repair and maintenance of radio and television apparatus, household machinery and instruments, repairs and manufacture of metal ware	7.8	6.5	5.3	4.7	4.8	4.8	4.9	43.4
maintenance and repair of transport, machinery and equipment	20.4	24.1	26.5	30.1	31.0	30.3	31.3	275.3
repair and manufacture of furniture	1.6	1.8	3.7	3.4	3.4	3.4	3.6	31.5
dry cleaning and dyeing	0.7	0.8	0.7	0.7	0.7	0.7	0.7	6.3
laundry services	1.3	0.8	0.4	0.3	0.3	0.3	0.2	2.0
repair and construction of dwellings and other buildings	21.1	27.4	30.1	28.0	27.1	27.6	28.1	247.2
photographic and cinema services	2.8	2.5	1.7	1.6	1.5	1.6	1.5	13.3
bath and shower house services	1.6	1.9	2.8	2.7	2.7	2.6	2.8	24.3
hair dressers and barbers services, cosmetic services	5.1	6.9	8.8	11.3	11.5	11.6	10.7	93.8
hiring and rent services	0.3	0.5	1.2	1.1	1.2	1.3	1.2	10.9
transport and shipping services <sup>2)</sup>	9.8	...	...	...	...	...	...	...
funeral services	5.9	8.0	7.7	6.8	6.8	6.7	6.5	57.1
other personal services	8.4	6.9	5.1	4.1	4.0	4.2	3.9	33.7

<sup>1)</sup> Short-term data.

<sup>2)</sup> From 2002 are recorded as transport services.

## 23. SCIENCE AND INNOVATIONS

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This section represents statistical data related to the state and development of scientific and innovatory potential of Russia.

Statistical data cover organizations performing scientific researches and development. These organizations are classified according to the following sectors of performance: state, entrepreneurial, higher educational, non-profit organizations.

**State sector** includes: organizations of Ministries and Departments ensuring the state governing and meeting demands of the society as a whole; non-profit organizations which completely or mostly are financed and supervised by the Government of the Russian Federation.

**Entrepreneurial sector** includes: all organizations with the main activity associated with production of goods or services for sale, including those of state property; non-profit organizations rendering services to above-mentioned organizations.

**Higher education sector** comprises of: educational organizations of higher education regardless of sources of finance and legal status and also supervised by them or associated with them scientific-research institutes, experimental stations, clinics.

**Non-profit sector** consists of private organizations, which do not the aim of yielding a profit (professional societies, public organizations, funds etc.) and private individual organizations.

**Personnel engaged in research and development (R&D) activities** includes persons whose creative systematic activity is directed to increase and fund new areas to implement scientific knowledge and those who are engaged in rendering direct services



associated with performance of R&D activities. In statistics the personnel engaged in R&D activities is recorded as the number of payroll employees (at respective divisions: educational organizations of higher education, industrial enterprises, etc. which perform R&D activities, at end of year.

There are the following four categories of personnel engaged in R&D work: researchers, technicians, auxiliary personnel and other personnel.

**Researchers** are the employees who are engaged in professional job on R&D activities and directly create new knowledge, products, processes, methods and systems and also who manage the above mentioned activities. Researchers usually have completed higher education.

**Technicians** – workers, who take part in R&D activities performing technical functions, usually under the management of researchers.

**Supporting personnel** - workers who carry out auxiliary functions connected with the performance of R&D activities: employees of planning and economics, financial divisions, patent services, divisions on scientific and technical information, scientific and technical libraries; workers who are engaged in mounting, adjustment, repair and maintenance of scientific equipment and appliances; workers, who are engaged in empirical (experimental) establishments; laboratory assistants who have neither higher nor secondary vocational education.

**Other personnel** – workers, carrying out domestic duties, connected with different activities of organizations (employees of book-keeping departments, personnel and office support services, material and technical supply services, etc.).



**Expenditures of the federal budget on the civil science** – funds allocated to scientific organizations from the federal budget for fundamental and applied scientific civil researches.

**Intramural expenditures for R&D activities** are the expenditures on R&D carried out by organizations themselves including both current and capital expenditures during the reference year independently on the source of financing.

**Grants** - monetary and other funds transferred without compensation and irrevocably by citizens and legal entities, including foreign citizens and foreign legal entities as well as international organizations, acquired a right to provide grants to the Russian Federation in order established by the Government of the Russian Federation, to implement specific scientific, technological programs, innovation projects, conducting research on conditions imposed by the grantor.

**Competitive funding** - funds received on account of an organization, winning the competition by the decision of tender committee evaluating the results of scientific, science and technology programs, innovation and other research and development projects based on submitted best conditions for implementing competition project compared with other participants' proposals.

**Post-graduate education** –form of training of high-skilled teaching and academic staff in higher vocational educational organizations, additional vocational educational organizations and scientific organizations.

To enter post-graduate training programs for the teaching and academic staff are allowed persons with a level of education which is not below high (tertiary) (Specialist's or Master's degree) (article 69 paragraph 4 of the Federal Law № 273-FZ from 29.12.2012 «On education in the Russian Federation»).



**Post-graduate students** - persons enrolled in post-graduate program for training of the teaching and academic staff (article 33 paragraph 4 of the Federal Law № 273-FZ from 29.12.2012 «On education in the Russian Federation»).

Post-graduate training is carried out by majors, branches of science and specialties of higher vocational education approved by the Ministry of Education and Science of the Russian Federation

**Doctoral education** - is a form of professional training of scientific personnel.

**Doctoral students** - persons with a post-graduate degree (Candidate of science), enrolled in a doctoral program to work on the thesis for the degree of Doctor of Science (additional requirements, in accordance with the Regulation on Doctoral education approved by the Decree of the Government of the Russian Federation № 267 from 04.04.2014, are installed for those enrolled after 01.01.2014).

Number of persons in post-graduate and doctoral education is presented as of end of year, including citizens of the countries of the CIS and citizens of other countries.

**Advanced production technologies** are technologies and technological processes (including equipment necessary for its implementation) controlled by computers or based on microelectronics, used for design work, production or processing of products (goods and services).

**A new for Russia technology** is the technology which has no domestic analogues.

**Fundamentally new** technology is the technology, which has no analogues, both domestic and foreign, developed for the first time and possessing the new quality characteristics, meeting the requirements of the modern level or predominating it.





**Cost of a subject of an agreement** is a total cost of an agreement quoted in the agreement (contract).

**Revenues (payments)** for the year are understood as the sums of all gains (payments) according to the acting agreements for the reference year. Revenues (payments) of monetary means for statistical observation purposes are accepted for the reporting period when surveys were conducted independently of their actual receipts (accrual method).

**Innovation activity** is the type of activity associated with transformation of ideas (usually this is the result of R&D activities or other achievements of science and technology) into technologically new or improved marketable products or services, into new or improved technological processes or modes of production (transmission) of services used in practice. Innovation activity comprises the whole complex of scientific, technological, organizational, financial and commercial measures and integration of which specifically leads to new innovations.

**Innovative products, works, services** - innovative products, works, services, that are new or has undergone technological changes of varying degree over the last three years.

**Technological innovations** refer to the final result of innovation activity, in a form of a new or improved product or service introduced to the market; a new or improved process or method of production (rendering) services used in practical activity.

**Marketing innovation** – newly implemented or significantly improved marketing methods, covering major changes in the design and packaging of products; using of new sales techniques and presentation of products (services), their market representation and promotion, developing new price strategies.



**Organizational innovation** - newly implemented methods in conducting business, workplace arrangement or managing external relations.

**Organizations engaged in technological innovation** – are those organizations responsible for the development and implementation of new or improved products, works, services, technological processes or methods of production (rendering) services and other types of innovation activities. Organizations commissioned during the reporting year are classified as organizations carrying out technological innovations.

**Expenditures on technological innovations** – actual expenses, associated with various kinds of innovation activity, performed on an organization-wide scale (branch, region, country) in monetary terms. Current and capital costs are considered as part of expenditures on technological innovations.

Data on innovation activities of organizations is presented by mining and quarrying, manufacturing, electricity, gas and water supply (excluding electricity trade, and gaseous fuels trade supplied through distribution networks); since 2015 erection of prefabricated buildings or structures, erection of roof covering and frames, Other construction work; communications; activities related to the use of computers and information technology, scientific research and development, rendering other types of services in line with Russian Classification of Economic Activities (OKVED OK 029-2007 (NACE Rev. 1.1.).



## 23.1. RESEARCH AND DEVELOPMENT ORGANIZATIONS

	1992	2000	2005	2010	2012	2013	2014	2015
<b>Number of organizations – total</b>	<b>4555</b>	<b>4099</b>	<b>3566</b>	<b>3492</b>	<b>3566</b>	<b>3605</b>	<b>3604</b>	<b>4175</b>
including:								
scientific and research organizations	2077	2686	2115	1840	1744	1719	1689	1708
design organizations	865	318	489	362	338	331	317	322
designing and surveying organizations	495	85	61	36	33	33	32	29
experimental plants	29	33	30	47	60	53	53	61
education organizations of higher education	446	390	406	517	560	671	702	1040
industrial organizations with research and project designing divisions	340	284	231	238	274	266	275	371
other	303	303	234	452	557	532	536	644

## 23.2. RESEARCH AND DEVELOPMENT PERSONNEL

(end of year; thou. persons)

	1992	2000	2005	2010	2012	2013	2014	2015
<b>Personnel – total</b>	<b>1532.6</b>	<b>887.7</b>	<b>813.2</b>	<b>736.5</b>	<b>726.3</b>	<b>727.0</b>	<b>732.3</b>	<b>738.9</b>
including:								
researchers	804.0	425.9	391.1	368.9	372.6	369.0	373.9	379.4
technicians	180.7	75.2	66.0	59.3	58.9	61.4	63.2	62.8
auxiliary personnel	382.2	240.5	215.6	183.7	175.8	175.4	173.6	174.1
other personnel	165.7	146.1	140.5	124.6	119.0	121.2	121.6	122.6



## 23.3. BASIC INDICATORS OF POST-GRADUATE EDUCATION

Years	Number of organizations with post-graduate education	Number of post-graduate students (end of year), persons	Entrance to post-graduate students, persons	Release of post-graduate students, persons	including PhD thesis
<b>Total</b>					
1992	1296	51915	13865	14857	3135
2000	1362	117714	43100	24828	7503
2005	1473	142899	46896	33561	10650
2010	1568	157437	54558	33763	9611
2012	1575	146754	45556	35162	9195
2013	1557	132002	38971	34733	8979
2014	1519	119868	32981	28273	5189
2015	1446	109936	31647	25826	4651
2016	1359	98352	26421	25992	3730
<b>R&amp;D organizations</b>					
1992	853	15168	2627	5325	922
2000	797	17502	6075	3813	873
2005	833	19986	6577	4806	1009
2010	809	16936	5655	4335	729
2012	820	14823	4555	4101	655
2013	818	13593	4166	3943	674
2014	805	12175	3126	3331	397
2015	771	11528	3189	2728	313
2016	733	10581	2949	2954	331
<b>Educational organizations of higher education</b>					
1992	443	36747	11238	9532	2213
2000	565	100212	37025	21015	6630
2005	640	122913	40319	28755	9641
2010	748	139908	48748	29268	8854
2012	740	131226	40802	30885	8480
2013	724	117790	34643	30639	8257
2014	698	107083	29700	24836	4770
2015	661	97847	28285	22971	4318
2016	611	87180	23281	22917	3379



Continued table 23.3

Years	Number of organizations with post-graduate education	Number of post-graduate students (end of year), persons	Entrance to post-graduate students, persons	Release of post-graduate students, persons	including PhD thesis
<b>Organizations of additional vocational education <sup>1)</sup></b>					
2010	11	593	155	160	28
2012	15	705	199	176	60
2013	15	619	162	151	48
2014	16	610	155	106	22
2015	14	561	173	127	20
2016	15	591	191	121	20

<sup>1)</sup> Statistical observation is carried out since 2009.

#### 23.4. RELEASE OF POST-GRADUATE STUDENTS BY BRANCHES OF KNOWLEDGE in 2016 (persons)

	Release of post-graduate students	including PhD defense
<b>Total</b>	<b>25992</b>	<b>3730</b>
of which by branches of knowledge:		
physics and mathematics	1677	318
chemistry	658	153
biology	1437	173
technology	7286	1030
agriculture	954	223
history and archaeology	823	212
economics	3206	275
philosophy	475	53
philology	1204	241
legal science	1371	148
pedagogical	1437	190
medicine	2577	490
art	287	26
psychology	504	32
sociology	387	47
political science	385	27
culture	165	27
Earth sciences	1050	152



## 23.5. DOCTORAL EDUCATION

Years	Number of organizations with doctoral education	Number of doctoral students, (end of year), persons	Entrance to doctoral students, persons	Release of doctoral students, persons	including doctoral thesis
	<b>Total</b>				
1992	338	1644	540	617	247
2000	492	4213	1637	1251	486
2005	535	4282	1457	1417	516
2010	602	4418	1650	1259	336
2012	597	4554	1632	1371	394
2013	585	4572	1582	1356	323
2014	478	3204	166	1359	231
2015	437	2007	419	1386	181
2016	385	921	397	1346	151
	<b>R&amp;D organizations</b>				
1992	198	516	125	216	91
2000	178	505	192	151	63
2005	173	445	147	148	48
2010	192	299	100	95	20
2012	183	254	87	99	16
2013	184	262	110	73	9
2014	105	194	23	78	14
2015	91	153	46	67	8
2016	82	96	29	76	8
	<b>Educational organizations of higher education</b>				
1992	140	1128	415	401	156
2000	314	3708	1445	1100	423
2005	362	3837	1310	1269	468
2010	407	4116	1548	1162	316
2012	410	4296	1543	1271	378
2013	398	4307	1471	1281	314
2014	372	3009	143	1281	217
2015	345	1853	373	1319	173
2016	303	825	368	1270	143



Continued table 23.5

Years	Number of organizations with doctoral education	Number of doctoral students, (end of year), persons	Entrance to doctoral students, persons	Release of doctoral students, persons	including doctoral thesis
	<b>Organizations of additional vocational education <sup>1)</sup></b>				
2010	3	3	2	2	-
2012	4	4	2	1	-
2013	3	3	1	2	-
2014	1	1	-	-	-
2015	1	1	-	-	-
2016	-	-	-	-	-

<sup>1)</sup> Statistical observation is carried out since 2009.

### 23.6. RELEASE OF DOCTORAL STUDENTS BY BRANCHES OF KNOWLEDGE in 2016 (persons)

	Release of doctoral students	including doctoral thesis
<b>Total</b>	<b>1346</b>	<b>151</b>
of which by branches of knowledge:		
physics and mathematics	111	15
chemistry	49	8
biology	42	5
technology	366	49
agriculture	40	4
history and archaeology	61	3
economics	156	10
philosophy	47	10
philology	85	9
legal science	28	4
pedagogical	119	10
medicine	73	15
art	15	5
psychology	32	1
sociology	33	2
political science	24	-
culture	14	-
Earth sciences	47	1



**23.7. FINANCING OF SCIENCE FROM THE FEDERAL BUDGET**<sup>1)</sup>

	2000	2005	2010	2013	2014	2015
Expenditures of the federal budget:	17.4	76.9	237.6	425.3	437.3	439.4
bln. roubles						
including:						
fundamental research	8.2	32.0	82.2	112.2	121.6	120.2
applied scientific research	9.2	44.9	155.5	313.1	315.7	319.2
percent of expenditures of the federal budget	1.69	2.19	2.35	3.19	2.95	2.81
gross domestic product	0.24	0.36	0.51	0.60	0.56	0.54

<sup>1)</sup> 2000 – according to Annex 2 to Federal Laws «On execution of the Federal Budget»; 2005, 2010-2015 – according to the data of the Federal Treasury «Report on execution of consolidated budget and state non-budgetary funds» as of 1 January of the year following the reporting one.

**23.8. RESEARCH AND DEVELOPMENT INTRAMURAL EXPENDITURES**

	1992	2000	2005	2010	2013	2014	2015
Intramural expenditures on research and development:							
bln. roubles	140.6	76.7	230.8	523.4	749.8	847.5	914.7
percent of gross domestic product <sup>1)</sup>	0.74	1.05	1.07	1.13	1.06	1.07	1.10

<sup>1)</sup> Data is updated because of GDP recalculation from 2013 onwards.



**23.9. RESEARCH AND DEVELOPMENT INTRAMURAL EXPENDITURES  
BY SOURCES OF FINANCING**

(bln. roubles)

	2000	2005	2010	2013	2014	2015
<b>All expenditures</b>	<b>76.7</b>	<b>230.8</b>	<b>523.4</b>	<b>749.8</b>	<b>847.5</b>	<b>914.7</b>
of which by sources of financing:						
budgets of all levels <sup>1)</sup>	41.2	140.5	360.3	493.5	569.1	617.3
own funds of scientific establishments	6.9	20.7	47.4	90.5	99.7	109.9
extra budget funds	4.9	4.0	10.1	11.8	9.1	8.8
entrepreneurial sector's organization funds	14.3	47.8	85.9	129.1	145.8	150.9
educational organizations of higher education funds	0.1	0.2	0.5	1.5	1.8	2.3
private non-profit organizations funds	0.03	0.1	0.6	0.7	1.0	1.3
foreign funds	9.2	17.5	18.6	22.7	21.0	24.2

<sup>1)</sup> Including budgetary appropriations for maintenance of educational organizations of higher education and funds of state sector organizations.



**23.10. RESEARCH AND DEVELOPMENT INTRAMURAL EXPENDITURES  
BY SECTORS OF PERFORMANCE**

(bln. roubles)

	2000	2005	2010	2013	2014	2015
<b>Total</b>	<b>76.7</b>	<b>230.8</b>	<b>523.4</b>	<b>749.8</b>	<b>847.5</b>	<b>914.7</b>
including by sectors:						
state	18.7	60.2	162.0	227.0	258.0	284.1
entrepreneurial	54.3	156.9	316.7	454.4	505.2	541.5
higher education	3.5	13.3	43.7	67.5	83.2	87.7
non-profit organizations	0.2	0.4	1.0	0.9	1.1	1.3

**23.11. GRANTS, SUBSIDIES, COMPETITIVE FUNDING ON RESEARCH  
AND DEVELOPMENT in 2015**

	Total, bln. roubles	including those funded through		Share of grants, subsidies, competitive funding intramural expenditures on research and development, percent
		budgets of all levels	of which federal budget	
Of the intramural expenditures on research and development:				
budget subsidies to support financially the fulfilment of the government assignment in scientific (research and development) activities	92.3	92.3	89.6	10.1
budget subsidies to perform research and / or development activities	34.1	34.1	32.9	3.7
grants from science, technology and innovation support funds	22.7	21.7	20.2	2.5
other types of competitive funding	79.5	71.2	70.2	8.7

**23.12. ADVANCED PRODUCTION TECHNOLOGIES DEVELOPED BY GROUPS**

(unit)

	Number of technologies - total	of which		
		new for Russia	fundamentally new	using patented inventions in the development of technology
<b>Advanced production technologies – total</b>				
<b>2012</b>	<b>1323</b>	<b>1188</b>	<b>135</b>	<b>...</b>
<b>2013</b>	<b>1429</b>	<b>1276</b>	<b>153</b>	<b>694</b>
<b>2014</b>	<b>1409</b>	<b>1245</b>	<b>164</b>	<b>712</b>
<b>2015</b>	<b>1398</b>	<b>1223</b>	<b>175</b>	<b>589</b>
<b>2016</b>	<b>1534</b>	<b>1342</b>	<b>192</b>	<b>527</b>
of which:				
designing and engineering				
2012	305	269	36	...
2013	426	367	59	213
2014	445	390	55	214
2015	359	323	36	145
2016	402	352	50	149
production, processing and assembling				
2012	548	491	57	...
2013	517	469	48	267
2014	506	450	56	267
2015	548	471	77	247
2016	509	449	60	171
automatic handling operations; transportation of materials and parts				
2012	23	21	2	...
2013	22	21	1	12
2014	22	20	2	13
2015	12	10	2	6
2016	34	29	5	9
equipment for automatic monitoring (control)				
2012	121	101	20	...
2013	137	108	29	63
2014	110	84	26	56
2015	117	82	35	53
2016	160	111	49	76
communication and management				
2012	204	194	10	...
2013	206	195	11	83
2014	202	187	15	110
2015	232	218	14	92
2016	285	264	21	81



Continued table 23.12

	Number of technologies - total	of which		
		new for Russia	fundamentally new	using patented inventions in the development of technology
production information systems				
2012	60	55	5	...
2013	68	66	2	32
2014	65	59	6	27
2015	84	78	6	33
2016	83	80	3	29
integrated management and control				
2012	62	57	5	...
2013	53	50	3	24
2014	59	55	4	25
2015	46	41	5	13
2016	61	57	4	12

**23.13. USE OF ADVANCED PRODUCTION TECHNOLOGIES BY GROUPS**  
(units)

	Number of technologies - total	of which						Number of patented inventions used for technologies
		technologies adopted over a period of, years				purchased		
		up to one year	1-3 years	4-5 years	6 years and more	in Russia	abroad	
<b>Advanced production technologies – total</b>								
<b>2012</b>	191372	17180	47594	37697	88901	110037	48068	...
<b>2013</b>	193830	17689	46428	35134	94579	109424	53414	9099
<b>2014</b>	204546	16179	48117	36065	104185	116002	60477	9519
<b>2015</b>	218018	16844	48293	39250	113631	122583	63253	9249
<b>2016</b>	232388	15671	49445	39109	128163	127089	68484	9617
of which:								
designing and engineering								
2012	39664	5329	9730	7807	16798	23739	6329	...
2013	38735	3437	10247	7213	17838	23143	6196	2193
2014	38598	3712	9249	7212	18425	23786	7036	2129
2015	39831	3498	9437	8432	18464	24293	6372	1819
2016	40658	3418	9033	7161	21046	23923	7285	1837
production, processing and assembling								
2012	55579	4827	13118	8645	28989	24971	16683	...
2013	55424	5702	10724	8426	30572	23268	19358	2670
2014	58111	4893	12545	8090	32583	24059	22256	3203
2015	63379	5323	13340	8284	36432	25545	24499	3274
2016	67726	5060	13927	9250	39489	25465	25634	3194



Continued table 23.13

	Number of technologies - total	of which						Number of patented inventions used for technologies
		technologies adopted over a period of, years				purchased		
		up to one year	1-3 years	4-5 years	6 years and more	in Russia	abroad	
automatic handling operations; transportation of materials and parts								
2012	1570	157	406	243	764	820	548	...
2013	1823	245	459	250	869	802	676	218
2014	1983	192	483	274	1034	937	794	131
2015	2129	157	569	313	1090	917	959	121
2016	2316	198	571	387	1160	982	1074	132
equipment for automatic monitoring (control)								
2012	9519	1033	3027	1848	3611	5780	2383	...
2013	11314	1160	4039	1853	4262	6632	3434	726
2014	12263	1234	4204	2090	4735	7274	3707	715
2015	12876	1109	3880	2488	5399	7390	4008	704
2016	13523	1099	3854	2683	5887	7735	4010	769
communication and management								
2012	76479	5024	18958	17540	34957	49516	20386	...
2013	78028	6528	18809	15869	36822	50268	22113	2844
2014	84730	5539	19619	16792	42780	54514	24860	2870
2015	89967	6067	18921	18182	46797	58609	25335	2775
2016	96846	4898	19699	17903	54346	62340	28012	3023
production information systems								
2012	5171	489	1520	1042	2120	3159	987	...
2013	5293	409	1426	1009	2449	3255	934	321
2014	5555	379	1343	1082	2751	3354	1055	316
2015	6300	460	1474	1026	3340	3660	1183	395
2016	7275	626	1606	1220	3823	4155	1432	500
integrated management and control								
2012	3390	321	835	572	1662	2052	752	...
2013	3213	208	724	514	1767	2056	703	127
2014	3306	230	674	525	1877	2078	769	155
2015	3536	230	672	525	2109	2169	897	161
2016	4044	372	755	505	2412	2489	1037	162



**23.14. TRADE IN TECHNOLOGIES WITH FOREIGN COUNTRIES  
BY OBJECTS OF CONTRACTS in 2016**

	Exports			Imports		
	Number of agreements	Value of the subject of agreement, mln. US dollars	Revenue for year, mln. US dollars	Number of agreements	Value of the subject of agreement, mln. US dollars	Payments for year, mln. US dollars
<b>Total</b>	<b>2182</b>	<b>27981</b>	<b>1277</b>	<b>3449</b>	<b>14147</b>	<b>2499</b>
including by objects of contracts:						
patent on invention	6	0.0	0.0	27	109.3	5.4
patent license on invention	96	321.5	83.1	171	513.4	80.6
useful model	9	2.4	2.0	8	0.0	1.1
know-how	30	44.9	28.7	111	350.3	104.9
trade mark	16	1.7	0.9	211	956.7	444.8
production specimen	5	69.5	50.1	38	12.6	10.5
engineering services	771	26452.4	819.0	1667	10671.9	1547.9
scientific researches	800	709.7	140.7	337	405.6	149.1
others	449	379.4	152.4	877	1126.6	154.5

**23.15. TRADE IN TECHNOLOGIES WITH FOREIGN COUNTRIES  
BY SUBJECT OF AGREEMENT in 2016**

	Exports			Imports		
	Number of agreements	Value of the subject of agreement, mln. US dollars	Annual revenue, mln. US dollars	Number of agreements	Value of the subject of agreement, mln. US dollars	Annual payments, mln. US dollars
<b>Total</b>	<b>2182</b>	<b>27981</b>	<b>1277</b>	<b>3449</b>	<b>14147</b>	<b>2499</b>
including by economic activity:						
agriculture, hunting and forestry	7	1.7	1.4	25	3.1	2.5
mining and quarrying	17	20.2	9.5	148	828.2	149.6
manufacturing	392	2084.9	287.8	2089	7408.1	1301.5



Continued table 23.15

	Exports			Imports		
	Number of agree- agreements	Value of the sub- ject of agree- ment, mln. US dollars	Annual revenue, mln. US dollars	Number of agree- agreements	Value of the sub- ject of agree- ment, mln. US dollars	Annual pay- ments, mln. US dollars
electricity, gas and water supply	20	1344.9	387.6	9	251.5	45.8
construction	33	22767.8	131.4	43	55.9	22.6
wholesale and retail trade, repair of motor ve- hicles, motorcycles and personal and household goods	10	26.9	2.5	53	7.9	6.5
transport and communications	101	15.8	15.6	50	12.2	12.3
of which electric communication	47	0.4	0.5	12	9.0	2.4
real estate, renting and business activities	1553	1718.0	440.1	919	5400.6	778.8
of which:						
research and development	815	781.0	104.6	192	271.2	42.7
other services	255	513.9	105.6	432	4941.8	690.4
education	42	1.4	1.2	84	19.0	18.2
other community, social and personal service activities	7	0.0	0.0	8	78.8	78.8
including recreation, culture and sporting activities	4	0.0	0.0	5	78.7	78.7
Other economic activities	-	-	-	21	81.3	82.0



**23.16. CLAIMS FOR PATENTS AND  
PATENTS ISSUED IN RUSSIA <sup>1)</sup>**  
(units)

	2000	2005	2010	2013	2014	2015	2016
Number of claims for patents:							
on inventions - total	28688	32254	42500	44914	40308	45517	41587
of which by Russian applicants	23377	23644	28722	28765	24072	29269	26795
on useful models - total	4631	9473	12262	14358	13952	11906	11112
of which by Russian applicants	4549	9082	11757	13589	13000	11403	10643
on production specimens - total	2290	3917	3997	4994	5184	4929	5464
of which by Russian applicants	1918	2516	1981	1902	2200	2015	2391
Patents issued:							
on inventions - total	17592	23390	30322	31638	33950	34706	33536
of which by Russian applicants	14444	19447	21627	21378	23065	22560	21020
on useful models - total	4098	7242	10581	12653	13080	9008	8875
of which by Russian applicants	4044	6958	10187	12154	12267	8390	8474
on production specimens - total	1626	2469	3566	3461	3742	5459	4455
of which by Russian applicants	1228	1630	1741	1278	1394	2031	1780
Number of acting patents total	...	164099	259698	272641	292048	305119	314615
including:							
on inventions	...	123089	181904	194248	208320	218974	230870
on useful models	...	28364	54848	54420	58238	57448	53263
on production specimens	...	12646	22946	23973	25490	28697	30482

<sup>1)</sup> Data source: Rospatent.





## 23.17. INNOVATIVE ACTIVITY OF ORGANIZATIONS

	Share of organizations with innovations of selected types, in total number of observed organizations, percent					
	total			technological		
	2013	2014	2015	2013	2014	2015
<b>Total for mining and quarrying, manufacturing, electricity, gas and water supply</b>	<b>10.9</b>	<b>10.9</b>	<b>10.6</b>	<b>9.7</b>	<b>9.7</b>	<b>9.5</b>
Mining and quarrying	7.6	7.5	6.9	6.4	6.5	5.8
mining of energy producing minerals	8.6	8.5	7.6	7.2	7.4	6.3
mining except of energy producing minerals	6.3	5.9	5.6	5.4	5.1	5.2
Manufacturing	13.3	13.6	13.3	11.9	12.2	12.1
manufacture of food products, including beverages, and tobacco	11.0	12.5	12.2	9.0	10.3	10.2
manufacture of textiles and textile products	8.5	10.0	11.2	7.0	7.5	9.0
manufacture of leather, leather products and footwear	11.5	12.6	12.1	10.8	11.7	11.1
manufacture of wood and wood products	6.8	7.4	8.6	5.1	6.0	7.6
manufacture of pulp, paper and paper products; publishing and printing	3.7	3.0	2.8	3.2	2.8	2.4
manufacture of coke and refined petroleum products	29.0	25.7	21.6	27.1	23.0	21.6
manufacture of chemical products	25.0	23.1	24.9	23.0	21.4	23.3
manufacture of rubber and plastics products	11.7	12.4	11.9	10.0	9.7	10.0
manufacture of other non-metallic mineral products	10.0	9.3	9.3	8.2	7.9	7.9
manufacture of basic metals and fabricated metal products	14.8	14.7	14.1	13.0	13.0	12.8



## BY ECONOMIC ACTIVITY

Share of organizations with innovations of selected types, in total number of observed organizations, percent						
marketing			organizational			
2013	2014	2015	2013	2014	2015	
<b>2.1</b>	<b>2.0</b>	<b>2.0</b>	<b>3.1</b>	<b>3.0</b>	<b>2.9</b>	<b>Total for mining and quarrying, manufacturing, electricity, gas and water supply</b>
0.4	0.5	0.5	2.5	2.3	2.6	Mining and quarrying
0.4	0.5	0.6	2.9	2.6	2.7	mining of energy producing minerals
0.5	0.5	0.5	2.0	2.0	2.3	mining except of energy producing minerals
3.0	2.8	2.9	3.7	3.6	3.6	Manufacturing
4.4	4.3	4.1	2.5	2.4	2.2	manufacture of food products, including beverages, and tobacco
2.8	3.1	4.0	3.0	3.5	3.3	manufacture of textiles and textile products
1.5	1.8	2.0	1.5	1.8	2.0	manufacture of leather, leather products and footwear
0.8	1.2	1.5	2.8	3.0	3.3	manufacture of wood and wood products
0.7	0.5	0.5	0.9	0.5	0.7	manufacture of pulp, paper and paper products; publishing and printing
2.8	1.8	2.2	7.5	9.7	8.6	manufacture of coke and refined petroleum products
5.2	5.8	4.7	5.8	5.4	6.1	manufacture of chemical products
2.3	3.0	3.3	2.9	3.5	3.2	manufacture of rubber and plastics products
2.3	1.6	2.0	2.2	2.1	2.3	manufacture of other non-metallic mineral products
2.3	2.8	2.9	4.8	3.9	4.1	manufacture of basic metals and fabricated metal products

	Share of organizations with innovations of selected types, in total number of observed organizations, percent					
	total			technological		
	2013	2014	2015	2013	2014	2015
manufacture of machinery and equipment	15.9	15.9	13.9	14.9	14.6	12.9
manufacture of electrical, electronic and optical equipment	26.9	28.3	27.4	25.9	27.0	26.5
manufacture of transport equipment	21.5	21.2	18.2	20.4	19.4	16.9
other manufactures, n.e.c.	15.3	15.8	17.7	14.2	14.7	16.5
Electricity, gas and water supply	5.3	5.1	4.9	4.7	4.5	4.3
<b>Total for erection of prefabricated buildings or structures, erection of roof covering and frames other construction work <sup>1)</sup></b>			<b>2.0</b>			<b>2.0</b>
erection of prefabricated buildings or structures			3.4			3.4
erection of roof covering and frames			-			-
other construction work of which concrete and reinforced concrete works			1.5			1.5
<b>Total for communication, activity involving computers and information technology, research and development, rendering other services</b>	<b>8.8</b>	<b>8.5</b>	<b>7.9</b>	<b>7.7</b>	<b>7.6</b>	<b>6.8</b>
communication	14.2	12.2	13.3	11.8	10.7	11.2
activity involving computers and information technology	9.6	8.8	8.0	8.4	8.0	7.3
research and development	31.0	33.3	32.2	29.6	31.6	30.3
rendering other services	3.5	3.5	3.1	2.6	2.7	2.3

<sup>1)</sup> Statistical observation is carried out since 2015.



Continued table 23.17

Share of organizations with innovations of selected types, in total number of observed organizations, percent						
marketing			organizational			
2013	2014	2015	2013	2014	2015	
2.8	2.8	2.7	4.1	4.6	3.7	manufacture of machinery and equipment
5.4	5.1	5.7	8.2	7.8	7.6	manufacture of electrical, electronic and optical equipment
3.0	1.7	1.6	6.5	6.4	5.9	manufacture of transport equipment
4.4	3.7	3.8	6.5	6.4	6.4	other manufactures, n.e.c.
0.3	0.3	0.3	1.5	1.5	1.5	Electricity, gas and water supply
						<b>Total for erection of prefabricated buildings or structures, erection of roof covering and frames other construction work <sup>1)</sup></b>
		-				- erection of prefabricated buildings or structures
		-				- erection of roof covering and frames
		-				- other construction work of which concrete and reinforced concrete works
		-				-
						<b>Total for communication, activity involving computers and information technology, research and development,</b>
1.5	1.3	1.5	2.6	2.7	2.5	<b>rendering other services</b>
4.7	3.3	5.5	4.3	4.5	5.3	communication
0.8	1.0	0.9	2.4	2.1	2.0	activity involving computers and information technology
4.0	4.1	4.3	7.9	8.7	7.5	research and development
0.6	0.5	0.5	1.3	1.3	1.3	rendering other services



**23.18. EXPENSES OF ORGANIZATIONS ON TECHNOLOGICAL INNOVATIONS BY ECONOMIC ACTIVITY**

	Expenses on technological innovations, bln. roubles			Share of expenses on technological innovations in total volume of goods shipped, works performed, services rendered, percent		
	2013	2014	2015	2013	2014	2015
<b>Total for mining and quarrying, manufacturing, electricity, gas and water supply</b>	<b>746.8</b>	<b>762.7</b>	<b>735.8</b>	<b>2.2</b>	<b>2.1</b>	<b>1.8</b>
Mining and quarrying	94.5	123.9	125.6	1.1	1.4	1.3
mining of energy producing minerals	84.3	113.0	119.1	1.1	1.4	1.4
mining except of energy producing minerals	10.2	10.8	6.5	1.0	1.0	0.5
Manufacturing	580.1	565.6	563.5	2.7	2.4	2.1
manufacture of food products, including beverages, and tobacco	30.0	25.9	20.1	0.9	0.7	0.5
manufacture of textiles and textile products	0.7	0.8	1.5	0.4	0.2	0.9
manufacture of leather, leather products and footwear	0.2	0.1	0.1	0.5	0.3	0.2
manufacture of wood and wood products	0.9	3.0	2.0	0.3	1.2	0.6
manufacture of pulp, paper and paper products; publishing and printing	12.1	5.7	3.9	2.1	0.9	0.5
manufacture of coke and refined petroleum products	193.7	209.9	139.7	4.1	4.0	2.1
manufacture of chemical products	67.2	60.3	47.9	4.0	3.3	2.1
manufacture of rubber and plastics products	7.9	3.8	7.9	1.8	0.8	1.5
manufacture of other non-metallic mineral products	7.9	10.8	19.0	0.8	1.1	2.0



Continued table 23.18

	Expenses on technological innovations, bln. roubles			Share of expenses on technological innovations in total volume of goods shipped, works performed, services rendered, percent		
	2013	2014	2015	2013	2014	2015
manufacture of basic metals and fabricated metal products	61.6	52.3	60.0	1.7	1.3	1.3
manufacture of machinery and equipment	14.6	19.2	18.0	1.3	1.8	1.7
manufacture of electrical, electronic and optical equipment	47.5	56.7	71.4	4.3	4.8	5.4
manufacture of transport equipment	97.5	77.9	105.5	3.4	2.8	3.9
other manufactures, n.e.c.	38.4	39.0	66.5	3.8	3.3	7.2
Electricity, gas and water supply	72.1	73.3	46.7	1.8	1.8	1.2
<b>Total for erection of prefabricated buildings or structures, erection of roof covering and frames other construction work <sup>1)</sup></b>			0.01			0.00
erection of prefabricated buildings or structures			0.01			0.04
erection of roof covering and frames			-			-
other construction work			0.00			0.00
of which concrete and reinforced concrete works			-			-

Continued table 23.18

	Expenses on technological innovations, bln. roubles			Share of expenses on technological innovations in total volume of goods shipped, works performed, services rendered, percent		
	2013	2014	2015	2013	2014	2015
<b>Total for communication, activity involving computers and information technology, research and development, rendering other services</b>	<b>365.7</b>	<b>449.1</b>	<b>467.9</b>	<b>9.4</b>	<b>10.6</b>	<b>43.0</b>
communication	45.6	38.4	40.8	3.0	2.4	2.6
activity involving computers and information technology	20.6	8.7	26.0	6.9	2.6	6.1
research and development	289.5	387.8	383.5	27.9	33.0	32.9
rendering other services	10.1	14.2	17.6	1.0	1.2	1.4

<sup>1)</sup> Statistical observation is carried out since 2015.

### 23.19. VOLUME OF INNOVATORY GOODS, WORKS, SERVICES OF ORGANIZATIONS BY ECONOMIC ACTIVITY

	Volume of innovatory goods, works, services, bln. roubles			Percent of total volume of goods shipped, works performed, services rendered		
	2013	2014	2015	2013	2014	2015
<b>Total for mining and quarrying, manufacturing, electricity, gas and water supply</b>	<b>3072.5</b>	<b>3037.4</b>	<b>3258.3</b>	<b>8.9</b>	<b>8.2</b>	<b>7.9</b>
Mining and quarrying	523.2	648.5	368.4	6.0	7.2	3.7
mining of energy						
producing minerals	500.4	635.7	342.4	6.6	8.0	4.0



Continued table 23.19

	Volume of innovatory goods, works, services, bln. roubles			Percent of total volume of goods shipped, works performed, services rendered		
	2013	2014	2015	2013	2014	2015
mining except of energy producing minerals	22.8	12.8	26.0	2.1	1.2	1.9
Manufacturing	2518.6	2362.4	2856.3	11.6	9.9	10.6
manufacture of food products, including beverages, and tobacco	127.8	180.3	209.3	3.9	5.0	4.8
manufacture of textiles and textile products	3.7	4.9	7.7	2.4	0.9	4.8
manufacture of leather, leather products and footwear	0.6	1.1	0.9	1.6	2.9	2.3
manufacture of wood and wood products	7.6	7.5	15.7	3.0	2.8	4.6
manufacture of pulp, paper and paper products; publishing and printing	18.8	28.9	42.1	3.2	4.6	5.8
manufacture of coke and refined petroleum products	710.8	540.7	857.6	15.2	10.3	12.8
manufacture of chemical products	161.0	157.2	213.1	9.6	8.7	9.4
manufacture of rubber and plastics products	40.3	40.0	52.3	9.2	8.7	10.2
manufacture of other non-metallic mineral products	39.8	48.1	37.6	4.1	4.9	4.0
manufacture of basic metals and fabricated metal products	264.8	320.3	374.5	7.5	7.8	8.3
manufacture of machinery and equipment	68.8	56.2	56.6	6.2	5.3	5.2
manufacture of electrical, electronic and optical equipment	118.1	152.1	183.5	10.7	12.9	13.8



Continued table 23.19

	Volume of innovatory goods, works, services, bln. roubles			Percent of total volume of goods shipped, works performed, services rendered		
	2013	2014	2015	2013	2014	2015
manufacture of transport equipment	817.0	681.8	643.4	28.1	24.1	23.7
other manufactures, n.e.c.	140.0	143.2	161.9	13.9	12.2	12.8
Electricity, gas and water supply	30.7	26.5	33.6	0.8	0.6	0.8
<b>Total for erection of prefabricated buildings or structures, erection of roof covering and frames other construction work <sup>1)</sup></b>			0.6			0.6
erection of prefabricated buildings or structures			-			-
erection of roof covering and frames			-			-
other construction work			0.6			1.0
of which concrete and reinforced concrete works			-			-
<b>Total for communication, activity involving computers and information technology, research and development, rendering other services</b>	<b>435.3</b>	<b>542.5</b>	<b>584.6</b>	<b>11.2</b>	<b>12.8</b>	<b>13.2</b>
communication	31.5	30.6	39.5	2.1	1.9	2.5
activity involving computers and information technology	39.6	32.4	46.6	13.3	9.6	11.0
research and development	344.7	464.2	482.3	33.2	39.5	41.3
rendering other services	19.6	15.4	16.2	1.9	1.3	1.3

<sup>1)</sup> Statistical observation is carried out since 2015.

## 24. FINANCES

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The section represents the statistics of state finances, monetary and credit system, data on the financial activities of organizations.

Statistics of the state finances takes records of revenues and expenditures of the public administration sector.

Information data base of government finance statistics has been constructed using the reports of the Federal Treasury.

Since 1995 to compile drafts and records on execution of budgets at all the levels the budget classification of the Russian Federation has been used.

**Budget classification of the Russian Federation** is revenue and expenditure grouping of all levels of the budget system of the Russian Federation used to compile and execute budgets and also sources for financing deficits of these budgets, it also is a grouping of revenues, expenditures and sources for financing deficits and (or) general government operations, used for maintaining of the budget (accounting) system, compiling budget (accounting) or other financial reports to ensure budget indicators comparability of all levels of budget system of the Russian Federation.

Annual budget is compiled for one financial year which corresponds to a calendar year and lasts from January 1 to December 31.

**Budget system of the Russian Federation** - based on economic relations and the state system of the Russian Federation is a totality of the federal budget, budgets of the constituent entities of the Russian Federation, local budgets and budgets of extra-budget state funds which is regulated by legislation of the Russian Federation.

**Federal budget** is intended for execution of expenditures liabilities of the Russian Federation.

**Budget of a constituent entity of the Russian Federation** (regional budget) is intended for execution of liabilities of constituent entities of the Russian Federation. The budget of constituent entity of the Russian Federation and the total volume of budgets of muni-



icipalities located on its territory (except inter-budget transfers between these budgets) comprise the **consolidated budget of constituent entity of the Russian Federation**.

**Budget of the municipal establishment of the Russian Federation** (local budget) is intended for execution of expenditures liabilities of municipal establishment.

**Consolidated budget of the Russian Federation** combines the federal budget and the consolidated budgets of constituent entities of the Russian Federation (except inter-budget transfers between these budgets).

**Budgets of state non-budget funds** include non-budget funds of the Russian Federation and budgets of territorial state non-budget funds.

Budgets of state non-budget funds of the Russian Federation are: the budget of Pension fund of the Russian Federation, budget of the Fund of social security, budget of the Federal fund of compulsory medical insurance. Budgets of territorial state non-budget funds are budgets of territorial funds of compulsory medical insurance.

**Revenues of the budget** – monetary funds coming to the budget excepting the funds which according to the Budget Code of the Russian Federation are the sources to finance the budget deficit.

Budget revenues are generated out of tax and extra-tax revenues, as well as out of gratis and irrecoverable transfers.

**Tax revenues** include federal, regional and local taxes and levies stipulated by the legislation of the Russian Federation including taxes stipulated by the special tax regimes as well as fines and penalties.

**Non-tax revenue** referred to revenue from usage of property of state or municipal ownership, excluding property of budget and autonomous establishments, and property of unitary state and municipal enterprises; land plots, other objects of real estate property being in federal ownership, used by the Single Development Institute in the Housing Sphere (in line with Russian Federation Federal Law No. 161-FZ dated July 24, 2008 «On Facilitation of Housing Construction Development»); revenue from sale of property (except shares and other form of participation in capital, state stock of precious metals and stones) of state and municipal ownership, excluding movable property of budget and autonomous establishments



and also property of unitary state and municipal enterprises; land plots, other objects of real estate property being in federal ownership, used by the Single Development Institute in the Housing Sphere (in line with Russian Federation Federal Law No. 161-FZ dated July 24, 2008 «On Facilitation of Housing Construction Development»); revenue from market services rendered by state-run establishments; funds received as a result of application of measures of civil-legal, administrative and criminal responsibility, including penalties, confiscation, compensations as well as funds obtained to compensate harm done to the Russian Federation, its constituent entities, municipal establishments and other sums of compulsory and forced withdrawal and other extra-tax revenues.

**Expenditures of the budget** - monetary funds paid from the budget excepting the funds which according to the Budget Code of the Russian Federation are the sources to finance the budget deficit.

**Budget deficit** - the excess of budgetary expenditures over revenues.

**Budget profit** - the excess of budgetary revenues over expenditures.

**Statistics of the monetary systems** are compiled on the basis of data of the Bank of Russia, Sberbank of Russia as well as the data of the federal statistical observations.

**Money supply M2** (national definition) – the sum of money in circulation and balance of all non-financial and financial funds of organizations (except crediting) and individuals on current and other non-demand accounts (including accounts for payment by bank cards) and thrift accounts opened at credit institutions in the currency of the Russian Federation as well as the accumulated interest charged.

**Transferable deposits** balance of funds of non-financial and financial organizations (except crediting) and individuals on current, deposit and other non-demand accounts (including accounts for payment by plastic bank cards) opened at credit institutions in the currency of the Russian Federation as well as the accumulated interest charged.

**Other deposits** balance of funds of non-financial and financial organizations (except crediting) and individuals on term deposit and



other funds obtained for a term in the currency of the Russian Federation, as well as the accumulated interest charged.

**External Debt of the Russian Federation** as of the balance sheet date represents the remaining balance of the current unconditional liabilities of residents of the Russian Federation to non-residents, which requires the payment of interest and / or the principal debt in the future.

**Public administration.**

This category includes the external debt of the federal government, which arose in the period from 1992 - Russia's new debt and debt generated before 1992 and assumed by Russia after the collapse of the Soviet Union - the debt of the former USSR, as well as the debt of local government bodies of constituent entities of the Russian Federation to non-residents on loans and issued debt securities.

**The new debt of Russia** includes funds attracted from IBRD, EBRD, other international organizations and foreign governments, debt to non-residents in all sovereign Eurobonds placed by the Government of the Russian Federation, as well as the debt to the London club. These obligations are not past due.

**Debt of the former USSR** borrowings from former socialist countries and other countries – official creditors, balance of external liabilities on securities, as well as balance of liabilities commercial loans and interest on an overdue debt, within other debt.

**Debt of constituent entities (subjects) of the Russian Federation** – liabilities to non-residents on credits received by constituent entities of the Russian Federation and on issued by them debt securities nominated in roubles.

**Central Bank** is a category, which includes external debt liabilities of the Bank of Russia.

**Banks.** Data includes are liabilities of credit institutions and “Vnesheconombank” (in terms of commercial activities).

**Other sectors.** This category includes information on obligations of other financial corporations (except banks), nonfinancial corporations, households, and non-profit institutions serving households.

**Deposits, credits and other obtained funds by credit organizations in roubles and foreign currency** – are cash of legal enti-



ties and individuals, individual entrepreneurs, including funds of non-residents of the Russian Federation, less accrued interest. The data is divided into:

**deposits and other obtained funds of organizations** - deposits and other obtained by credit institutions funds (sight deposits and time deposits) of general government bodies and non-budget funds of all levels, financial (less credit) and non-financial institutions of all ownership types (including certificates of deposits), as well as not settled liabilities of agreements on deposits and other obtained funds;

**deposits of individuals (private persons)** - deposits and obtained by credit institutions funds of individuals (including saving certificates), not settled liabilities of agreements, other obtained funds as well as funds on other accounts of private persons. While compilation of this indicator funds of individual entrepreneurs, election funds of private persons and remittances from the Russian Federation to the Russian Federation are not included;

**funds on accounts of private persons – individual entrepreneurs** – funds of private persons carrying out business activities without status of legal entity;

**deposits, credits and other obtained funds of credit institutions**, include deposits, credits and other obtained funds of credit institutions and non-resident banks.

**Credits, deposits and other invested assets provided to enterprises, organizations (excluding bodies of state power, local self-government bodies, state and extra-budgetary funds). individuals and credit organizations in roubles and foreign currency** - refer to the indebtedness of clients (residents and non-residents) including overdue to credit organizations including all granted assets. Total indebtedness includes, besides the sums provided respectively to individuals, organizations and credit organizations are included, credits to foreign states and debts (including overdue) for transaction with precious metals (except transactions with credit institutions).

**Insurers** mean insurance companies and mutual insurance companies established in accordance with the legislation of the Russian Federation to carry out insurance, re-insurance, mutual insurance activities and entities licensed to perform a specific kind of



insurance activities in line with the Federal Law No. 4015-1 of November 27, 1992 "On the organization of insurance activities in the Russian Federation".

**Insurance premium (fee)** – a payment sum that should be paid by the insurant to the insurer in term and conditions established by the insurance agreement.

**Payments for insurance agreements** – actually paid by an insurance company the insurance payments and also returned insurance premiums and redeem sums paid if the agreement is terminated ahead of schedule or conditions of insurance were changed as well as an insurant compensation sums paid by insurant to reduce losses if it was necessary and paid in accordance with the insurer instructions.

**Compulsory health insurance (CHI)** – is a type of compulsory social insurance, which represents a system of legal, economic and organizational measures, created by the state and designed to ensure in the event of the occurrence of the insured event, guarantees of free medical care at the expense of compulsory health insurance. In accordance with the Federal Law № 326-FZ of 29.11.2010 "On the Compulsory Health Insurance in the Russian Federation" since 01.01.2012 health insurance organizations carry out their activities in the sphere of mandatory health insurance on the basis of the Financial Security Agreement of CHI, made with the CHI territorial fund.

**Official exchange rate of US dollar against Russian rouble** is compiled and established by the Bank of Russia every working day on the basis of quotations of inter-banking internal currency market following "US dollar – rouble" transactions.

**Official exchange rate of EUR against Russian rouble** is compiled and established by the Bank of Russia on the basis the official exchange rate of US dollar against Russian rouble and quotations of inter-banking internal currency market following "US dollar – Euro" transactions.

**Statistics of finances of organizations** contain indicators reflecting the financial status of enterprises (organizations). The collection of data is based on state statistical and accounting reporting forms.

**Balance (profit less loss)** is the final financial result obtained on the basis of book-keeping records of all the economic transactions performed by organizations. It presents the sum of profits (losses) from sales of goods, products (work, services), fixed as-



sets, any other property of organizations and revenues received from other transactions. The financial balance data of activities of organizations are given at actual prices, excluding subjects of small business and according to the structure and methodology of respective years.

**Profitability of organizations** characterizes the efficiency of their performance.

**Profitability of goods, products (works, services) sold** is calculated as the ratio between the financial balance (profit less loss), before taxes, of sales of goods, products (works, services) and the net cost of goods, products (works, services) sold, including selling and administrative costs. Negative financial balance means unprofitability.

**Profitability of assets** is calculated as a ratio of the financial balance (profit less loss) and the total value of asset of organizations. Negative financial balance means unprofitability.

**Gross indebtedness of liabilities** of organizations comprises creditor indebtedness (payables) as well as indebtedness on bank credits and loans.

**Creditor liability** (payables) means indebtedness to suppliers and contractors for material values received, work performed and services rendered, including indebtedness supported by promissory notes issued; indebtedness in payments to associated, daughter companies and branch establishments according to all forms of transactions; indebtedness to the workers and employees on accrued but unpaid labour remuneration; indebtedness in allocations for state social insurance, pension security and medical insurance, as well as indebtedness towards all forms of payments with regard for budgetary funds and extra-budget funds; indebtedness of organizations towards payments relating to obligatory and voluntary insurance of the property and employees of the organization as well as to other types of insurance in which the organization is an insurer; advances received and including sums received from other organizations on coming payments under concluded agreements, as well as fines, default interests and forfeits admitted by organizations or determined by court (arbitrage) or another body entitled by the law of the Russian Federation with the right of confiscating the sums to be paid or referring them to the financial results of the or-





ganization, unpaid sums of borrowed loans to be settled in accordance with the concluded agreements.

**Debtor receivable** (receivables) includes indebtedness while dealing with accounts payable to buyers and customers for goods (work and services) including indebtedness covered with promissory notes; indebtedness to associated companies and branch establishments; advances payable to other organizations in accordance with agreements concluded; indebtedness payable to other debtors including indebtedness of financial and tax bodies (including payment of taxes, dues and other payments to the budget); indebtedness of organization's workers against loans received from funds of this organization or banking credit (loans for individual and cooperative housing construction, acquisition of garden plots, interest-less loans to young families for promotion of living conditions or purchase of personal property. etc.); indebtedness of advance holders, indebtedness against liabilities of suppliers. loss of commodities and material values; indebtedness for state customers for supplied goods (works and services) for state orders and federal programs as well as fines, default interests and forfeits admitted by the debtor or determined by court (arbitration court) or another body entitled by the law of the Russian Federation with the right of confiscating the sums to be paid and reflect them in financial results of organizations.

**Overdue indebtedness** means indebtedness which has not been reimbursed in due time according to the contract's terms.

**Overdue indebtedness on labour reimbursement** comprises actually accrued wages to employees but not paid in time specified by the collective agreement or contract with bank cash office (cash settlement center). Transferable balance of indebtedness not paid on the reference date is included in overdue indebtedness while advances are not included.



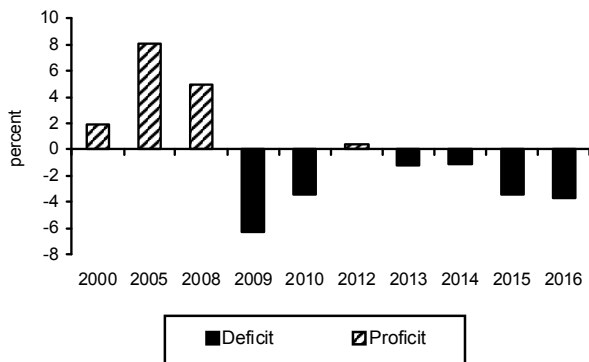
**GOVERNMENT FINANCES**  
**24.1. CONSOLIDATED BUDGET**  
**OF THE RUSSIAN FEDERATION AND BUDGETS OF STATE**  
**NON-BUDGET FUNDS in 2016 <sup>1)</sup>**

	Bln. roubles	Percent of GDP
<b>Revenue – total</b>	<b>28181.5</b>	<b>32.8</b>
of which:		
profit (income) tax of organizations	2770.3	3.2
income tax of individuals	3018.5	3.5
insurance premium for compulsory social insurance	6326.0	7.4
value added tax:		
for goods (works, services) sold on territory of the Russian Federation	2657.7	3.1
for goods, imported on territory of the Russian Federation	1913.7	2.2
excise on goods (products):		
produced on territory of the Russian Federation	1293.9	1.5
imported on territory of the Russian Federation	62.1	0.1
aggregate income tax	388.5	0.5
property tax	1117.1	1.3
tax, dues and regular payment for natural resources usage	2951.8	3.4
revenue from external economic activities	2606.0	3.0
revenue from use of state and municipal property	1744.9	2.0
payments for natural resources usage	272.7	0.3
uncompensated revenue	122.8	0.1
<b>Expenditure – total</b>	<b>31323.7</b>	<b>36.4</b>
of which:		
objective affecting the state as a whole	1849.9	2.1
national defence	3777.6	4.4
law enforcement and state security	2011.4	2.3
national economy	3889.8	4.5
of which:		
fuel and energy complex	65.6	0.1
agriculture and fishery	331.7	0.4
transport	693.7	0.8
public road system (road funds)	1366.2	1.6
communications and informatics	97.4	0.1
scientific research for national economy	251.7	0.3
other fields of national economy	898.8	1.0
housing – communal utilities	992.6	1.2
social-cultural arrangements	17946.5	20.9
state and municipal debt service	771.8	0.9
<b>Deficit</b>	<b>3142.1</b>	<b>3.7</b>

<sup>1)</sup> Data source: Federal Treasury.



**24.2. RATIO OF PROFIT (DEFICIT) OF CONSOLIDATED BUDGET  
OF THE RUSSIAN FEDERATION  
AND BUDGETS OF STATE NON-BUDGET FUNDS  
TO GROSS DOMESTIC PRODUCT <sup>1)</sup>**



<sup>1)</sup> For 2000 calculations did not take into account budgets of state non-budget funds.

**24.3. EXPENDITURE OF CONSOLIDATED BUDGET  
OF THE RUSSIAN FEDERATION AND BUDGETS OF STATE NON-  
BUDGET FUNDS ON SOCIAL-CULTURAL ARRANGEMENTS in 2016 <sup>1)</sup>**

	Bln. roubles	Percent of total
<b>Expenditure – total</b>	<b>17946.5</b>	<b>100</b>
including:		
on education	3103.1	17.3
on culture and cinema	422.8	2.4
on public health	3124.4	17.4
on social policy	10914.2	60.8
on physical culture and sports	262.3	1.5
on mass media	119.9	0.7

<sup>1)</sup> Data source: Federal Treasury.



**24.4. EXECUTION OF FEDERAL BUDGET OF THE  
RUSSIAN FEDERATION in 2016<sup>1)</sup>**

	Approved budget, bln. roubles	Actual implementation	
		bln. roubles	percent of approved budget
<b>Expenditure</b>	<b>16636.4</b>	<b>16416.4</b>	<b>98.7</b>
of which:			
objectives affecting the state as a whole	1127.8	1095.6	97.1
national defence	3806.4	3775.3	99.2
law enforcement and state security	1891.8	1898.7	100.4
national economy	2401.6	2302.1	95.9
of which:			
fuel and energy complex	42.4	42.0	99.0
agriculture and fishery	207.3	203.1	97.9
transport	317.9	296.9	93.4
public road system (road funds)	648.9	628.6	96.9
communications and informatics	33.1	32.5	98.4
scientific research for national economy	254.9	251.2	98.6
other fields of national economy	749.3	724.3	96.7
social-cultural arrangements	5956.6	5916.1	99.3
state and municipal debt service	639.6	621.3	97.1
general inter-budget transfers to budgets of the budgetary system of the Russian Federation	673.7	672.0	99.8

<sup>1)</sup> Data source: Federal Treasury.

**24.5. MAIN INDICATORS OF MARKET OF STATE  
SHORT-TERM BONDS (GKO) AND  
FEDERAL LOAN BONDS (OFZ)<sup>1)</sup>**

(bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
Volume of state internal debt on GKO and OFZ (end of year)	185.1	721.6	2054.2	3196.7	3634.8	4593.2	4990.5	5611.4
Volume of placement and extra placement at par	20.5	169.1	715.6	794.6	764.8	159.9	668.1	121.3
Revenues from GKO and OFZ sold	20.3	171.6	728.5	811.0	770.2	147.9	708.7	1089.6
Expenses on pay off / coupon payments	93.3	118.1	244.3	618.7	634.9	560.0	810.1	890.4
Transfer of funds into budget <sup>2)</sup>	-73.0	53.5	484.2	192.4	135.3	-412.0	-101.3	199.2

<sup>1)</sup> Data source: Bank of Russia.<sup>2)</sup> Symbol "-" denotes the withdrawal of funds from the budget to cover the issue of securities and payments of coupon revenue.

## MONETARY AND CREDIT SYSTEM

### 24.6. MONEY SUPPLY<sup>1)</sup>

(beginning of year; bln. roubles)

	2001	2006	2012	2013	2014	2015	2016	2017
Money supply M2 (national definition)	1150.6	6032.1	24204.8	27164.6	31155.6	31615.7	35179.7	38417.9
including :								
disposable cash in circulation outside the banking system MO	418.9	2009.2	5938.6	6430.1	6985.6	7171.5	7239.1	7714.8
deposit money	731.7	4022.9	18266.2	20734.6	24170.0	24444.3	27940.5	30703.1
including:								
transferable deposits	...	...	6818.3	7264.0	8526.3	8170.0	9276.4	9927.6
other deposits	...	...	11447.9	13470.6	15643.7	16274.3	18664.1	20775.5

<sup>1)</sup> Data source: Bank of Russia.

**24.7. EXTERNAL DEBT OF THE RUSSIAN FEDERATION <sup>1)</sup>**

(beginning of year; bln. US dollars)

	2001	2006	2013	2014	2015	2016	2017
<b>Total</b>	<b>160.0</b>	<b>257.2</b>	<b>636.4</b>	<b>728.9</b>	<b>599.9</b>	<b>519.1</b>	<b>513.5</b>
Short-term debts	...	39.5	81.5	90.1	63.0	48.6	51.1
Long-term debts	...	217.7	554.9	638.8	536.9	470.5	462.4
State administration bodies	116.7	71.1	54.4	61.7	41.6	30.6	39.2
Short-term debts	...	2.7	0.3	0.3	0.4	0.3	0.3
Long-term debts	...	68.4	54.1	61.4	41.2	30.2	38.8
From debt of administration bodies:							
new Russian debt	49.7	35.7	51.3	58.9	39.3	28.7	37.9
debt of the former USSR	65.8	34.3	2.1	2.0	1.8	1.2	1.0
constituent entities of the Russian Federation	1.2	1.2	0.9	0.8	0.6	0.6	0.2
Central Bank <sup>2)</sup>	11.9	11.0	15.6	16.0	10.6	11.7	12.3
Short-term debts	...	11.0	6.9	7.2	2.4	3.9	4.6
Long-term debts	...	...	8.7	8.7	8.2	7.9	7.6
Banks	9.0	50.1	201.6	214.4	171.5	131.7	119.4
Short-term debts	...	20.2	56.4	56.7	39.9	25.3	26.7
Long-term debts	...	29.9	145.1	157.6	131.6	106.5	92.7
Other sectors	22.4	125.0	364.8	436.8	376.2	345.1	342.6
Short-term debts	...	5.6	17.8	20.9	18.3	13.2	13.4
Long-term debts	...	119.5	347.0	415.8	357.9	331.9	329.2

<sup>1)</sup> Data source: Bank of Russia. 2017 – short-term data .<sup>2)</sup> For 2001, 2006 including Minfin debt to IMF.

**24.8. CREDIT INSTITUTIONS <sup>1)</sup>**  
(beginning of year)

	1999	2001	2006	2013	2014	2015	2016	2017
Number of credit institutions registered by Bank of Russia	2481	2124	1409	1094	1071	1049	1021	975
including those having rights for bank transactions	1476	1311	1253	956	923	834	733	623
Number of branches of operating credit institutions registered on the territory of the Russian Federation	4453	3793	3295	2349	2005	1708	1398	1098
Registered charter capital of operating credit institutions, bln. roubles	52.5	207.4	444.4	1341.4	1463.9	1840.3	2329.4	2383.2
Number of credit institutions with licenses (permissions) giving the right on:								
involvement of deposits of population	1372	1239	1045	784	756	690	609	515
transactions with foreign currency	634	764	827	648	623	554	482	404
general licenses	263	244	301	270	270	256	232	205
operations with precious metals	136	163	184	211	209	203	183	157



Continued table 24.8

	1999	2001	2006	2013	2014	2015	2016	2017
Number of credit institutions with foreign participation in charter capital having rights for bank transactions	142	130	136	244	251	225	199	174
of which:								
with 100 percent of foreign shares	18	22	41	73	76	75	68	67
with foreign share from 50 percent up to 100 percent	12	11	11	44	46	38	38	25

<sup>1)</sup> Data source: Bank of Russia.

**24.9. ACTING CREDIT INSTITUTIONS  
BY SIZE OF REGISTERED CHARTER CAPITAL <sup>1)</sup>**  
(beginning of year)

	1999	2001	2006	2013	2014	2015	2016	2017
<b>Number of acting credit institutions – total</b>	<b>1476</b>	<b>1311</b>	<b>1253</b>	<b>956</b>	<b>923</b>	<b>834</b>	<b>733</b>	<b>623</b>
including by size of charter capital, mln. roubles:								
up to 3	352	174	56	15	15	10	13	10
from 3 to 10	464	282	106	15	15	13	12	10
from 10 to 30	349	313	205	41	45	38	38	37
from 30 to 60	189	254	212	46	36	30	28	26
from 60 to 150	72	127	227	168	143	112	88	67
from 150 to 300	21	68	204	276	251	212	171	137
from 300 to 500 <sup>2)</sup>	29	93	243	95	116	118	104	90
from 500 mln. to 1 bln.	...	...	...	123	116	111	97	77
from 1 bln. to 10 bln.	...	...	...	154	161	163	153	136
10 bln. and over	...	...	...	23	25	27	29	33

<sup>1)</sup> Data source: Bank of Russia.

<sup>2)</sup> For 1999, 2001, 2006 – from 300 mln. and over.





**24.10. DEPOSITS OF INDIVIDUALS  
IN THE SBERBANK OF RUSSIA <sup>1)</sup>**  
(beginning of year)

	1999	2001	2006	2013	2014	2015	2016	2017
Total, bln. roubles	153.3	347.1	1500.1	6510.3	7915.9	8347.3	10673.5	11372.2
including:								
at rouble accounts	126.8	266.0	1225.3	5841.8	7082.4	6872.5	8126.3	9071.2
at currency accounts	26.5	81.1	274.8	668.5	833.5	1474.8	2547.1	2301.1
Average size of deposits, roubles:								
at rouble accounts	559	1142	4628	14557	16383	14855	16313	18081
at currency accounts	...	45794	78190	171091	196129	308163	422428	366922
Per capita deposits of population, roubles:								
at rouble accounts	867.0	1846	8554	39253	47039	44044	51750	61791
at currency accounts	...	559	1918	5463	6392	10915	18172	15674

<sup>1)</sup>Data source: the Sberbank of Russia. Since 2006 data is given excluding accounts of individual entrepreneurs, election funds and accrued interests.

**24.11. DEPOSITS, CREDITS AND OTHER FUNDS,  
OBTAINED BY CREDIT INSTITUTIONS <sup>1)</sup>**  
(beginning of year; bln. roubles)

	Total volume of obtained funds	including			
		deposits and other obtained funds of organizations	deposits and other obtained funds of individuals	funds on accounts of individual entrepreneurs	deposits, credits and other obtained funds of credit institutions
<b>1999</b>					
Total	465.1	68.2	200.1	1.5	195.3
including:					
in roubles	161.4	8.9	140.0	1.3	11.1
in foreign currency	303.7	59.3	60.1	0.2	184.2
<b>2001</b>					
Total	883.4	251.3	445.8	7.5	178.7
including:					
in roubles	430.2	81.2	297.8	6.9	44.2
in foreign currency	453.2	170.1	148.0	0.6	134.6
<b>2006</b>					
Total	5152.3	1271.1	2761.2	33.5	1086.4
including:					
in roubles	3001.9	636.2	2088.7	32.7	244.3
in foreign currency	2150.3	634.9	672.5	0.8	842.1



Continued table 24.11

	Total volume of obtained funds	including			
		deposits and other obtained funds of organizations	deposits and other obtained funds of individuals	funds on accounts of individual entrepreneurs	deposits, credits and other obtained funds of credit institutions
<b>2013</b>					
Total	28781.7	9619.5	14251.0	172.8	4738.4
including:					
in roubles	20553.4	6089.7	11763.5	170.0	2530.1
in foreign currency	8228.3	3529.8	2487.5	2.8	2208.2
<b>2014</b>					
Total	32794.6	10838.3	16957.5	192.7	4806.0
including:					
in roubles	22931.6	6371.5	14000.6	190.0	2369.5
in foreign currency	9863.0	4466.8	2957.0	2.7	2436.5
<b>2015</b>					
Total	42334.9	17007.9	18552.7	180.1	6594.2
including:					
in roubles	25573.9	8471.8	13706.6	172.1	3223.4
in foreign currency	16760.9	8536.1	4846.1	7.9	3370.8
<b>2016</b>					
Total	49544.7	19018.2	23219.1	216.4	7091.0
including:					
in roubles	28815.4	8522.2	16398.2	207.4	3687.6
in foreign currency	20729.4	10496.0	6820.9	9.0	3403.5
<b>2017</b>					
Total	49412.2	16385.2 <sup>2)</sup>	24200.3	267.6	8559.1
including:					
in roubles	32638.5	8529.4 <sup>2)</sup>	18476.7	255.9	5376.5
in foreign currency	16773.7	7855.7 <sup>2)</sup>	5723.7	11.7	3182.6

<sup>1)</sup> Data source: Bank of Russia.

<sup>2)</sup> Including deposits of individual entrepreneurs.



**24.12. CREDITS, DEPOSITS AND OTHER ALLOCATED FUNDS  
GRANTED TO ENTERPRISES, CREDIT INSTITUTIONS AND  
INDIVIDUALS <sup>1)</sup>**

(beginning of year ; bln. roubles)

	Total volume of allocated funds	of which		
		credits and other allocated funds granted to enter- prises <sup>2)</sup>	credits, deposits and other allocated funds granted to credit institutions	credits granted to individuals
<b>1999</b>				
Total	421.6	300.2	58.2	20.1
including:				
in roubles	123.2	99.6	12.8	10.6
in foreign currency	298.4	200.6	45.3	9.5
<b>2001</b>				
Total	956.3	763.3	104.7	44.7
including:				
in roubles	588.3	507.4	44.8	34.6
in foreign currency	368.0	256.0	60.0	10.2
<b>2006</b>				
Total	6212.0	4484.4	668.0	1055.8
including:				
in roubles	4244.1	3110.1	250.9	883.1
in foreign currency	1967.9	1374.3	417.1	172.7
<b>2013</b>				
Total	32886.9	20917.4	4230.4	7737.1
including:				
in roubles	25857.3	16435.2	1929.4	7492.7
in foreign currency	7029.6	4482.2	2301.0	244.4
<b>2014</b>				
Total	38767.9	23678.0	5130.6	9957.1
including:				
in roubles	29836.7	18191.9	1924.9	9719.9
in foreign currency	8931.2	5486.2	3205.8	237.2
<b>2015</b>				
Total	49069.5	30842.4	6895.0	11329.5
including:				
in roubles	34888.5	20849.8	3009.9	11028.8
in foreign currency	14181.0	9992.6	3885.1	300.8
<b>2016</b>				
Total	54263.0	34960.0	8610.0	10684.3
including:				
in roubles	35176.5	21253.7	3527.0	10395.8
in foreign currency	19086.5	13706.3	5083.0	288.5



Continued table 24.12

	Total volume of allocated funds	of which		
		credits and other allocated funds granted to enterprises <sup>2)</sup>	credits, deposits and other allocated funds granted to credit institutions	credits granted to individuals
<b>2017</b>				
Total	52816.0	32912.0	9091.5	10803.9
including: in roubles	37800.2	22036.7	5119.9	10643.6
in foreign currency	15015.8	10875.2	3971.6	160.3

<sup>1)</sup> Data source: Bank of Russia.

<sup>2)</sup> Including individual entrepreneurs.

### 24.13. MAIN INDICATORS OF ACTIVITIES OF INSURANCE COMPANIES

	2000	2005	2010	2012	2013	2014 <sup>1)</sup>	2015
Number of accounted insurance companies <sup>2)</sup>	1166	983	600	436	409	395	360
of which mutual insurance societies	-	-	...	5	7	11	10
Number of branches <sup>2)</sup>	4507	5038	4567	5081	5180	4803	4863
Charter capital <sup>2)</sup> , bln. roubles	16.0	142.0	155.2	198.6	224.1	217.0	204.3
Insurance premiums – total, bln. roubles	170.1	506.2	1036.7	811.1	901.1	983.4	1033.5
of which under voluntary insurance contracts	138.7	303.7	451.0	654.4	734.2	805.1	785.8
of them under contracts concluded with individuals	83.4	99.0	187.7	305.5	364.4	407.5	395.1



Continued table 24.13

	2000	2005	2010	2012	2013	2014 <sup>1)</sup>	2015
Payments on insurance contracts – total, bln. roubles	138.6	308.5	774.8	376.6	419.9	473.5	514.0
of which under voluntary insurance contracts	109.6	142.9	235.0	293.2	324.4	363.5	371.3
of them under contracts concluded with individuals	91.4	76.3	114.6	129.6	161.7	179.8	159.6
Number of insurance contracts concluded – total, mln.	90.9	138.1	128.1	140.7	139.1	157.9	144.7
of which under voluntary insurance contracts	88.8	103.3	90.1	99.7	96.1	115.0	104.7

<sup>1)</sup> Excluding data on the Crimean Federal District .<sup>2)</sup> As of end of period.

**24.14. MAIN INDICATORS OF  
HEALTH INSURANCE COMPANIES AS TO  
COMPULSORY HEALTH INSURANCE**  
(mln. roubles)

	2013	2014 <sup>1)</sup>	2015
<b>Funds received - total</b>	<b>1199749.9</b>	<b>1360134.4</b>	<b>1537111.7</b>
including:			
from territorial funds for financing the compulsory medical insurance system in accordance with an agreement on the financial support of compulsory health insurance	1145366.3	1291923.2	1463507.0
from medical organizations as a result of them being subjected to sanctions for violations, identified during volume control, deadline, quality and condition checks of the provision of health care service conditions	46302.2	64916.3	71783.3
from individuals or legal entities who caused harm to the health of insured persons	12.3	14.0	17.2
other receipts from earmarked funds	8069.0	3280.8	1804.2



Continued table 24.14

	2013	2014 <sup>1)</sup>	2015
<b>Funds used – total</b>	<b>1137611.7</b>	<b>1305540.0</b>	<b>1459754.6</b>
including:			
to pay for medical care, provided to insured persons by medical organizations, in accordance with contracts for rendering and paying health care services for compulsory health insurance	1127859.5	1300988.5	1454960.2
those enrolled in a health insurance company income	3373.0	4198.4	4425.0
other use of earmarked funds	6379.3	353.1	369.4

<sup>1)</sup> Excluding data on the Crimean Federal District .

### 24.15. OFFICIAL EXCHANGE RATE OF FOREIGN CURRENCIES TO RUSSIAN ROUBLE <sup>1)</sup>

(end of year; rouble for foreign currency unit)

Countries	Foreign currency	2005	2010	2013	2014	2015	2016
Australia	Australian Dollar	21.13	31.01	28.96	45.91	53.12	43.81
Austria	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Azerbaijan	Azerbaijan Manat	31.35 <sup>2)</sup>	38.11	41.78	71.84	46.74	33.67
Armenia	Armenia Dram	64.19 <sup>2)3)</sup>	84.13 <sup>3)</sup>	80.71 <sup>3)</sup>	12.10 <sup>4)</sup>	15.05 <sup>4)</sup>	12.52 <sup>4)</sup>
Belarus	Belarusian Ruble	13.36 <sup>3)</sup>	10.16 <sup>3)</sup>	34.31 <sup>5)</sup>	38.80 <sup>5)</sup>	38.95 <sup>5)</sup>	30.95
Belgium	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Germany	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Greece	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Denmark	Danish Krone	45.81 <sup>6)</sup>	54.10 <sup>6)</sup>	60.31 <sup>6)</sup>	92.02 <sup>6)</sup>	10.68	85.81 <sup>6)</sup>
Ireland	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Spain	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Italy	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Kazakhstan <sup>4)</sup>	Tenge	21.53	20.68	21.31	30.83	21.52	18.16
Canada	Canadian Dollar	24.73	30.49	30.55	48.40	52.57	44.97
Kyrgyzstan <sup>4)</sup>	Som	69.71 <sup>2)</sup>	64.84	66.34	95.52	94.84	87.40



Continued table 24.15

Countries	Foreign currency	2005	2010	2013	2014	2015	2016
Netherlands	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Norway <sup>6)</sup>	Norwegian Krone	42.60	51.61	53.21	75.79	83.38	70.28
Portugal	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Republic of Moldova <sup>6)</sup>	Moldovan Leu	22.42 <sup>2)</sup>	25.07	25.08	36.03	37.06	30.53
United Kingdom	British Pound Sterling	49.72	47.26	53.96	87.42	107.98	74.56
United States	US Dollar	28.78	30.48	32.73	56.26	72.88	60.66
Tajikistan	Somoni	89.99 <sup>2)6)</sup>	69.22 <sup>6)</sup>	69.09 <sup>6)</sup>	10.76	10.99	76.83 <sup>6)</sup>
Turkmenistan	Turkmen Manat	55.92 <sup>2)5)</sup>	10.70 <sup>7)</sup>	11.48 <sup>7)</sup>	19.74 <sup>7)</sup>	21.44 <sup>7)</sup>	17.36 <sup>7)</sup>
Turkey	Turkish Lira	21.31 <sup>8)</sup>	19.60	15.30	24.27	25.08	17.20
Uzbekistan <sup>3)</sup>	Uzbekistan Sum	24.40 <sup>2)</sup>	18.58	14.63	23.22	26.45	18.93
Ukraine <sup>6)</sup>	Hryvnia	56.72	38.28	39.72	35.56	30.46	22.38
France	Euro	34.19	40.33	44.97	68.34	79.70	63.81
Sweden <sup>6)</sup>	Swedish Krona	36.28	44.81	50.15	72.02	87.26	66.67
Japan <sup>4)</sup>	Yen	24.53	37.38	31.06	47.06	60.51	51.83

<sup>1)</sup> Data source: Bank of Russia.

<sup>2)</sup> As of January 1, 2006.

<sup>3)</sup> For 1000 currency units.

<sup>4)</sup> For 100 currency units.

<sup>5)</sup> For 10000 currency unit.

<sup>6)</sup> For 10 currency units.

<sup>7)</sup> New Turkmen Manat. 1 New Turkmen Manat = 5000 Turkmen Manat.

<sup>8)</sup> New Turkish Lira. 1 new Turkish Lira was equivalent to 1 000 000 old Turkish Lira. Since January 1, 2009 new Turkish Lira once again transformed into Turkish Lira with the ratio 1:1.



**24.16. TRENDS IN OFFICIAL EXCHANGE RATE OF FOREIGN  
CURRENCIES TO RUSSIAN ROUBLE <sup>1)</sup>**  
(end of year)

Year	US dollar		Euro	
	Rouble/ US dollar	percent to previous year	Rouble/ Euro	percent to previous year
1992	415		-	-
2000	28.16	104.3	26.14	96.0
2005	28.78	103.7	34.19	90.4
2010	30.48	100.8	40.33	93.0
2012	30.37	94.3	40.23	96.5
2013	32.73	107.8	44.97	111.8
2014	56.26	171.9	68.34	152.0
2015	72.88	129.5	79.70	116.6
2016	60.66	83.2	63.81	80.1

<sup>1)</sup> Data source: Bank of Russia. Since 2000 with regard to the change in the nominal cost of Russian banknotes (decreased in 1000 times) on January 1, 1998.

## FINANCIAL ACTIVITIES OF ORGANIZATIONS

**24.17. BALANCED FINANCIAL RESULT  
(PROFIT LESS LOSS) OF ORGANIZATIONS  
BY ECONOMIC ACTIVITY <sup>1)</sup>**  
(at actual prices; mln. roubles)

	2003	2005	2014	2015	2016
<b>Balanced financial result (profit less loss) – total</b>	<b>1456171</b>	<b>3225916</b>	<b>4346793</b>	<b>7502736</b>	<b>11587706</b>
of which by economic activities :					
agriculture, hunting and forestry	-347	27524	160936	256838	266590
fishing	-7194	29	592	58474	83023
mining and quarrying	224337	705254	2124346	2451513	2185996
of which:					
mining of energy producing minerals	195628	599280	1898103	2179881	1513296
mining except of energy producing minerals	28709	105974	226243	271632	672700



Continued table 24.17

	2003	2005	2014	2015	2016
manufacturing	347643	955231	1132331	1837068	3190809
of which:					
manufacture of food products, including beverages, and tobacco	49775	64181	109215	228549	356578
manufacture of textiles and textile products	-1013	715	2100	8043	22538
manufacture of leather, leather products and footwear	253	437	-2510	2363	2628
manufacture of wood and wood products	723	3017	-24464	-12857	55236
manufacture of pulp, paper and paper products; publishing and printing	13500	20637	-958	85570	133157
manufacture of coke and re-refined petroleum products	20126	335959	928762	522242	513359
manufacture of chemical products	18911	71248	-27130	356034	526777
manufacture of rubber and plastics products	1571	9157	-1264	19731	38572
manufacture of other non-metallic mineral products	13052	28809	-17957	-19568	70508
manufacture of basic metals and fabricated metal products	164448	337248	94407	505649	1018541
including manufacture of basic metals	159744	329668	89921	497416	969612
manufacture of machinery and equipment	4427	22855	-5365	36385	93077
manufacture of electrical, electronic and optical equipment	11280	21851	74545	118755	132225
manufacture of transport equipment	24904	15433	-32964	-90607	77740
including:					
manufacture of motor vehicles, trailers and semi-trailers	6417	4656	-50223	-95551	-2885
manufacture of ships, aircraft and spacecraft and other transport equipment	18487	10777	17259	4944	80625
electricity, gas and water supply	55060	68826	24056	183309	706585
construction	33234	38956	-75050	-54329	130560



Continued table 24.17

	2003	2005	2014	2015	2016
wholesale and retail trade; repair of motor vehicles, mo- torcycles and personal and household goods	291959	543373	1090599	2130529	2306404
of which:					
sale, maintenance and re- pair of motor vehicles and motorcycles	-12854	22416	90088	143330	289437
wholesale trade and com- mission trade, except sale of motor	296100	495138	854935	1792479	1766102
retail trade, except sale of motor vehicles and motor- cycles and repair of personal and household goods	8713	25819	145576	194720	250865
hotels and restaurants	4170	9467	-21834	-181340	31675
transport and communica- tions	220603	314766	179032	315572	1132681
of which communications	104954	145599	160530	163372	233134
financial intermediation	143741	200128	-317184	223544	350281
real estate, renting and busi- ness activities	128872	332707	18788	233867	1133833
of which:					
maintenance of housing stock	...	-13595	-5516	-4249	1407
research and development	28572	25769	76443	98565	124638
public administration and de- fence, compulsory social se- curity	931	543	3131	23021	15074
education	865	1299	768	1485	4644
health and social work	912	1714	6702	10325	18963
other community, social and personal service activities	11385	26099	19580	12860	30588

<sup>1)</sup> 2003-2015 – according to book-keeping data. Symbol (-) means loss.

**24.18. SHARE OF LOSS-MAKING ORGANIZATIONS  
AND AMOUNT OF LOSSES BY ECONOMIC ACTIVITY <sup>1)</sup>**

	2003		2005		2015		2016	
	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles
<b>Total in economy</b>	<b>43.0</b>	<b>359580</b>	<b>36.4</b>	<b>447695</b>	<b>32.6</b>	<b>5151153</b>	<b>26.0</b>	<b>1607732</b>
including by economic activity:								
agriculture, hunting and forestry	53.3	40008	42.3	36136	24.1	83950	17.2	49431
fishing	54.9	8504	31.1	3247	30.1	8221	11.9	254
mining and quarrying	48.2	31976	40.4	121939	44.9	405601	29.2	220363
of which:								
mining of energy producing minerals	48.8	25415	38.7	114049	44.3	331155	26.3	205823
mining except of energy producing minerals	47.7	6561	42.1	7890	45.7	74446	32.7	14540
manufacturing	43.4	114123	36.6	90354	30.6	1122299	22.8	428687
of which:								
manufacture of food products, including beverages, and tobacco	46.1	16407	39.1	20934	24.7	116851	17.8	42085
manufacture of textiles and textile products	51.2	4818	43.1	3501	29.5	9594	23.4	2704
manufacture of leather, leather products and footwear	45.5	568	41.8	295	17.3	290	17.9	653
manufacture of wood and wood products	58.4	3867	49.2	3767	39.1	48624	28.6	8115



Continued table 24.18

	2003		2005		2015		2016	
	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles
manufacture of pulp, paper and paper products; publishing and printing	37.9	3119	40.7	4517	32.4	19049	23.3	7891
manufacture of coke and refined petroleum products	33.7	4452	27.1	541	35.8	144727	21.0	41990
manufacture of chemical products	41.4	9938	25.6	6803	29.8	104492	15.4	17179
manufacture of rubber and plastics products	39.3	2615	25.5	2007	26.1	17029	16.4	9546
manufacture of other non-metallic mineral products	45.4	6076	36.9	6394	39.1	94741	39.1	41163
manufacture of basic metals and fabricated metal products	39.4	17868	29.0	6908	34.1	169369	25.3	43842
including manufacture of basic metals	43.5	15313	30.5	3959	36.3	111972	29.1	27939
manufacture of machinery and equipment	46.3	14435	33.1	8351	30.7	52233	23.0	38310
manufacture of electrical, electronic and optical equipment	32.4	7128	25.4	5911	22.8	36986	18.7	22356
manufacture of transport equipment	37.3	15767	33.9	13612	42.1	254131	26.4	132939
including: manufacture of motor vehicles, trailers and semi-trailers	42.2	8097	36.0	6163	49.4	121341	24.8	66405



Continued table 24.18

	2003		2005		2015		2016	
	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles
manufacture of ships, air-craft and spacecraft and other transport equipment	34.2	7670	32.4	7449	35.6	132790	27.8	66534
electricity, gas and water supply	59.5	23864	53.8	31111	51.1	242722	46.9	144900
construction	42.4	14869	34.0	18328	32.8	320030	24.1	114424
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	31.6	36795	26.9	27202	25.5	526373	17.9	248877
of which:								
sale, maintenance and repair of motor vehicles and motorcycles	35.9	19971	27.0	1955	26.6	66663	22.1	41914
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	37.2	12243	31.0	19011	24.5	356817	14.4	153275
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	27.6	4581	24.1	6236	28.4	102893	23.2	53688



Continued table 24.18

	2003		2005		2015		2016	
	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles	Share of loss-making organizations, percent	Total losses, mln. roubles
hotels and restaurants	36.7	3119	27.7	2236	39.3	203772	30.1	13549
transport and communications	46.4	32203	40.6	41351	37.8	449729	32.6	105674
of which communications	25.8	4357	34.5	10229	35.5	38953	20.7	5666
financial intermediation	34.3	1320	34.2	5988	37.3	462771	21.0	31378
real estate, renting and business activities	39.8	45221	35.6	59553	34.7	1254001	26.9	210011
of which:								
maintenance of housing stock	...	...	57.9	17083	28.0	14218	38.0	5565
research and development	23.3	3136	22.6	4210	28.8	52207	20.7	18611
public administration and defence, compulsory social security	34.5	1198	26.2	1500	18.1	152	23.2	9244
education	38.5	359	31.0	490	29.6	2698	25.5	1415
health and social work	36.0	1158	27.0	2351	27.5	13060	21.6	6844
other community, social and personal service activities	41.6	4863	36.9	5909	30.8	55774	36.3	22681

<sup>1)</sup> 2003-2015 - according to book-keeping data.



**24.19. SHARE OF PROFIT-MAKING ORGANIZATIONS AND PROFIT  
AMOUNT BY ECONOMIC ACTIVITY <sup>1)</sup>**

	2003		2005		2015		2016	
	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles
<b>Total in economy</b>	<b>57.0</b>	<b>1815751</b>	<b>63.6</b>	<b>3673611</b>	<b>67.4</b>	<b>12653889</b>	<b>74.0</b>	<b>13195438</b>
including by economic activity:								
agriculture, hunting and forestry	46.7	39661	57.7	63660	75.9	340788	82.8	316021
fishing	45.1	1310	50.4	3276	69.9	66695	88.1	83277
mining and quarrying	51.8	256313	59.6	827193	55.1	2857114	70.8	2406359
of which:								
mining of energy producing minerals	51.2	221043	61.3	713329	55.7	2511036	73.7	1719119
mining except of energy producing minerals	52.3	35270	57.9	113864	54.3	346078	67.3	687240
manufacturing	56.6	461766	63.4	1045585	69.4	2959367	77.2	3619496
of which:								
manufacture of food products, including beverages, and tobacco	53.9	66182	60.9	85115	75.3	345400	82.2	398663
manufacture of textiles and textile products	48.8	3805	56.9	4216	70.5	17637	76.6	25242
manufacture of leather, leather products and footwear	54.5	821	58.2	732	82.7	2653	82.1	3281
manufacture of wood and wood products	41.6	4590	50.8	6784	60.9	35767	71.4	63351



Continued table 24.19

	2003		2005		2015		2016	
	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles
manufacture of pulp, paper and paper products; publishing and printing	62.1	16619	59.3	25154	67.6	104619	76.7	141048
manufacture of coke and refined petroleum products	66.3	24578	72.9	336500	64.2	666969	79.0	555349
manufacture of chemical products	58.6	28849	65.5	78051	70.2	460526	84.6	543956
manufacture of rubber and plastics products	60.7	4186	65.8	11164	73.9	36760	83.6	48118
manufacture of other non-metallic mineral products	54.6	19128	63.1	35203	60.9	75173	60.9	111671
manufacture of basic metals and fabricated metal products	60.6	182316	71.0	344156	65.9	675018	74.7	1062383
including manufacture of basic metals	56.5	175057	69.5	333627	63.7	609388	70.9	997551
manufacture of machinery and equipment	53.7	18862	66.9	31206	69.3	88618	77.0	131387
manufacture of electrical, electronic and optical equipment	67.6	18408	74.6	27762	77.2	155741	81.3	154581
manufacture of transport equipment	62.7	40671	66.1	29045	57.9	163524	73.6	210679
including: manufacture of motor vehicles, trailers and semi-trailers	57.8	14514	64.0	10819	50.6	25790	75.2	63520



Continued table 24.19

	2003		2005		2015		2016	
	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles
manufacture of ships, air-craft and spacecraft and other transport equipment	65.8	26157	67.6	18226	64.4	137734	72.2	147159
electricity, gas and water supply	40.5	78924	46.2	99937	48.9	426031	53.1	851485
construction	57.6	48103	66.0	57284	67.2	265701	75.9	244984
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	68.4	328754	73.1	570575	74.5	2656902	82.1	2555281
of which:								
sale, maintenance and repair of motor vehicles and motorcycles	64.1	7117	73.0	24371	73.4	209993	77.9	331351
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	62.8	308343	69.0	514149	75.5	2149296	85.6	1919377
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	72.4	13294	75.9	32055	71.6	297613	76.8	304553



Continued table 24.19

	2003		2005		2015		2016	
	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles	Share of profit-making organizations, percent	Profit amount, mln. roubles
hotels and restaurants	63.3	7289	72.3	11703	60.7	22432	69.9	45224
transport and communications	53.6	252806	59.4	356117	62.2	765301	67.4	1238355
of which communications	64.2	109311	65.5	155828	64.5	202325	79.3	238800
financial intermediation	65.7	145061	65.8	206116	62.7	686315	79.0	381659
real estate, renting and business activities	60.2	174093	64.4	392260	65.3	1487868	73.1	1343844
of which:								
maintenance of housing stock	...	...	42.1	3488	72.0	9969	62.0	6972
research and development	76.7	31708	77.4	29979	71.2	150772	79.3	143249
public administration and defence, compulsory social security	65.5	2129	73.8	2043	81.9	23173	76.8	24318
education	61.5	1224	69.0	1789	70.4	4183	74.5	6059
health and social work	64.0	2070	73.0	4065	72.5	23385	78.4	25807
other community, social and personal service activities	58.4	16248	63.1	32008	69.2	68634	63.7	53269

<sup>1)</sup> 2003-2015 - according to book-keeping data.



**24.20. EXPENDITURES OF ORGANIZATIONS ON PRODUCTION AND  
SALE OF PRODUCTS (GOODS, WORKS, SERVICES)  
BY ECONOMIC ACTIVITY in 2015 <sup>1)</sup>**

(mln. roubles)

	Total	including				
		material input	labour cost	insurance contributions for the Pension Fund, FSS, FFOMS	depreciation deduction	other expenses
Agriculture, hunting and forestry	1810847	1181547	264076	77869	158776	128578
Fishing	143740	72911	27153	7856	6388	29432
Mining and quarrying	8629744	2820667	755852	203658	1090428	3759140
Manufacturing	25997302	19312258	2416960	684716	1005314	2578052
Electricity, gas and water supply	5354640	3333146	741167	205701	514847	559779
Construction	2732307	1578438	529930	142977	84194	396767
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	8189159	3708810	1140850	290973	813304	2235222
Hotels and restaurants	379975	175565	81989	23173	15391	83857
Transport and communications	8649954	3634505	1537592	417502	781364	2278991
of which communications	1600373	571473	285645	75698	230866	436691
Real estate, renting and business activities	4792775	1606882	1338214	317158	265045	1265474
Public administration and defence, compulsory social security	14264	2562	6125	1608	496	3472
Education	89703	13477	39824	9931	1169	25302
Health and social work	255557	74230	94882	26143	12528	47774
Other community, social and personal service activities	518539	112188	164566	38160	22955	180671

<sup>1)</sup> Excluding small businesses.



**24.21. EXPENDITURES OF ORGANIZATIONS ON PRODUCTION AND  
SALE OF PRODUCTS (GOODS, WORKS, SERVICES)  
BY ECONOMIC ACTIVITY in 2015 <sup>1)</sup>**  
(percent of total)

	Total	including				
		material input	labour cost	insurance contributions for the Pension Fund, FSS, FFOMS	depreciation deduction	other expenses
Agriculture, hunting and forestry	100	65.2	14.6	4.3	8.8	7.1
Fishing	100	50.7	18.9	5.5	4.4	20.5
Mining and quarrying	100	32.7	8.8	2.4	12.6	43.6
Manufacturing	100	74.3	9.3	2.6	3.9	9.9
Electricity, gas and water supply	100	62.2	13.8	3.8	9.6	10.5
Construction	100	57.8	19.4	5.2	3.1	14.5
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	100	45.3	13.9	3.6	9.9	27.3
Hotels and restaurants	100	46.2	21.6	6.1	4.1	22.1
Transport and communications	100	42.0	17.8	4.8	9.0	26.3
of which communications	100	35.7	17.8	4.7	14.4	27.3
Real estate, renting and business activities	100	33.5	27.9	6.6	5.5	26.4
Public administration and defence, compulsory social security	100	18.0	42.9	11.3	3.5	24.3
Education	100	15.0	44.4	11.1	1.3	28.2
Health and social work	100	29.0	37.1	10.2	4.9	18.7
Other community, social and personal service activities	100	21.6	31.7	7.4	4.4	34.8

<sup>1)</sup> Excluding small businesses.



**24.22. PROFITABILITY OF GOODS, PRODUCTS (WORKS, SERVICES) SOLD AND ASSETS OF ORGANIZATIONS BY ECONOMIC ACTIVITY <sup>1)</sup>**  
(percent)

	2003		2005		2015		2016	
	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets
<b>Total in the economy</b>	<b>10.2</b>	<b>5.9</b>	<b>13.5</b>	<b>8.8</b>	<b>8.1</b>	<b>3.7</b>	<b>8.1</b>	<b>6.4</b>
Agriculture, hunting and forestry	2.6	-0.0	6.7	2.8	20.7	6.9	16.8	6.8
Fishing	-3.3	-16.2	5.2	0.1	54.3	23.8	61.0	29.3
Mining and quarrying	19.2	7.6	35.6	12.9	24.9	11.7	27.2	10.0
mining of energy producing minerals	18.4	7.4	34.7	12.3	22.3	12.7	23.8	8.1
mining except of energy producing minerals	23.8	9.7	42.8	18.5	47.5	7.3	54.7	21.4
Manufacturing	12.4	7.3	15.3	11.9	11.9	4.0	10.5	6.6
manufacture of food products, including beverages, and tobacco	8.2	6.4	7.9	6.3	9.9	5.9	9.6	8.4
manufacture of textiles and textile products	1.4	-1.6	2.7	1.0	12.8	3.2	11.0	7.5
manufacture of leather, leather products and footwear	2.8	1.9	5.0	2.7	8.1	5.0	10.8	4.7
manufacture of wood and wood products	5.6	1.0	4.2	2.7	12.2	-2.5	11.6	10.3



Continued table 24.22

	2003		2005		2015		2016	
	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets
manufacture of pulp, paper and paper products; publishing and printing	10.4	8.3	11.2	9.5	17.6	10.7	20.1	16.1
manufacture of coke and re-refined petroleum products	15.5	6.5	21.4	18.9	7.1	3.3	4.0	3.2
manufacture of chemical products	10.2	5.3	19.3	13.9	31.4	9.5	24.5	13.8
manufacture of rubber and plastics products	5.9	2.2	4.6	5.9	7.3	3.8	7.7	7.5
manufacture of other non-metallic mineral products	10.5	6.8	12.3	8.9	7.5	-1.2	9.4	4.5
manufacture of basic metals and fabricated metal products	23.7	15.9	26.7	20.4	21.7	6.7	20.0	13.9
of which manufacture of basic metals	26.5	17.2	30.1	21.9	24.8	7.9	22.1	14.9
manufacture of machinery and equipment	5.8	1.5	8.2	6.1	7.5	2.1	7.4	5.2
manufacture of electrical, electronic and optical equipment	8.3	4.3	8.4	6.2	10.6	5.6	11.6	6.2
manufacture of transport equipment	9.8	3.1	6.9	1.6	4.9	-1.7	4.4	1.4

Continued table 24.22

	2003		2005		2015		2016	
	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets
of which:								
manufacture of motor vehicles, trailers and semi-trailers	6.1	1.9	4.1	1.2	-2.9	-6.7	-1.0	-0.2
manufacture of ships, aircraft and spacecraft and other transport equipment	14.4	4.0	11.9	1.8	13.7	0.1	10.8	1.9
Electricity, gas and water supply	6.4	2.2	5.3	2.7	5.0	1.4	7.8	5.1
Construction	5.7	4.2	3.9	3.2	3.8	-0.6	5.5	1.9
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	8.9	7.0	9.7	8.4	6.1	5.8	5.3	6.4
of which:								
sale, maintenance and repair of motor vehicles and motor-cycles	-0.7	-10.1	4.3	12.2	1.9	7.4	2.9	13.4
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	11.3	7.7	11.4	8.4	8.0	5.8	7.3	6.0



Continued table 24.22

	2003		2005		2015		2016	
	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets	Profitability of goods (works, services) sold	Profitability of assets
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	2.9	4.2	4.4	6.3	1.9	4.9	1.4	5.7
Hotels and restaurants	9.0	5.8	11.6	9.3	2.9	-12.6	6.1	6.1
Transport and communications of which communications	15.3	6.0	14.4	5.7	9.4	1.5	10.8	5.3
Financial intermediation	35.8	14.6	33.6	12.3	19.1	5.0	18.2	7.6
Real estate, renting and business activities of which: maintenance of housing stock research and development	1.0	30.2	5.8	15.3	0.6	1.7	0.7	5.7
Public administration and defence, compulsory social security	5.4	3.2	10.9	7.6	13.4	0.7	12.6	5.5
Education	...	...	-17.0	-1.4	1.2	-1.1	0.6	0.4
Health and social work	4.9	6.0	9.1	4.2	7.9	2.6	13.7	3.0
Other community, social and personal service activities	14.1	1.2	1.9	1.7	10.0	1.5	-12.5	1.0
	4.7	4.3	4.3	5.2	2.8	1.9	6.2	4.0
	4.1	2.1	3.4	2.5	7.1	3.0	10.6	6.1
	0.4	2.8	5.7	5.8	-8.1	0.9	-6.1	3.2

<sup>1)</sup> 2003-2015 – according to book-keeping data. Symbol (-) means loss.





**24.23. INDEBTEDNESS OF ORGANIZATIONS**  
(end of year)

	2000		2005		2015		2016	
	Mln. roubles	Percent of total	Mln. roubles	Percent of total	Mln. roubles	Percent of total	Mln. roubles	Percent of total
Accumulated indebtedness on liabilities	4479935	100	12178969	100	89014617	100	91942288	100
including overdue	1675153	100	1032064	100	2824692	100	3069214	100
Out of accumulated indebtedness by liabilities:								
creditor liabilities	3514951	78.5	6389304	52.5	38925596	43.7	42280108	46.0
including overdue	1571469	93.8	956356	92.7	2428757	86.0	2656177	86.5
indebtedness on bank credits and loans	964984	21.5	5789665	47.5	50089021	56.3	49662180	54.0
including overdue	103684	6.2	75708	7.3	395935	14.0	413037	13.5
Debtor receivables	2450755	100	6331251	100	35736421	100	37053181	100
including overdue	916257	37.4	855998	13.5	2275556	6.4	2240921	6.0

**24.24. CREDITOR LIABILITIES AND DEBTOR RECEIVABLES OF ORGANIZATIONS BY ECONOMIC ACTIVITY in 2016**  
(end of year)

	Creditor liabilities, mln. roubles	including overdue		Debtor receivables, mln. roubles	including overdue	
		mln. roubles	percent of creditor liabilities		mln. roubles	percent of debtor receivables
<b>Total in the economy</b>	<b>42280108</b>	<b>2656177</b>	<b>6.3</b>	<b>37053181</b>	<b>2240921</b>	<b>6.0</b>
Agriculture, hunting and forestry	572054	25915	4.5	632115	15352	2.4



Continued table 24.24

	Creditor liabilities, mln. roubles	including overdue		Debtor receivables, mln. roubles	including overdue	
		mln. roubles	percent of creditor liabilities		mln. roubles	percent of debtor receivables
Fishing	52395	1147	2.2	70826	2233	3.2
Mining and quarrying	2588778	159791	6.2	4238246	382166	9.0
of which:						
mining of energy producing minerals	2336545	142409	6.1	3955498	362002	9.2
mining except of energy producing minerals	252233	17382	6.9	282748	20164	7.1
Manufacturing	13701948	1130202	8.2	10350816	475109	4.6
of which:						
manufacture of food products, including beverages, and tobacco	1409784	19163	1.4	1475067	26165	1.8
manufacture of textiles and textile products	67916	4193	6.2	64316	1509	2.3
manufacture of leather, leather products and footwear	15271	385	2.5	15756	377	2.4
manufacture of wood and wood products	90043	3290	3.7	84669	5872	6.9
manufacture of pulp, paper and paper products; publishing and printing	151797	11779	7.8	170308	9078	5.3
manufacture of coke and refined petroleum products	4366122	675220	15.5	2709138	64794	2.4
manufacture of chemical products	463513	41193	8.9	671090	34195	5.1



Continued table 24.24

	Creditor liabilities, mln. roubles	including overdue		Debtor receivables, mln. roubles	including overdue	
		mln. roubles	percent of creditor liabilities		mln. roubles	percent of debtor receivables
manufacture of rubber and plastics products	139837	11085	7.9	136811	7814	5.7
manufacture of other non-metallic mineral products	323131	37132	11.5	287641	26695	9.3
manufacture of basic metals and fabricated metal products	1266581	91132	7.2	1293278	75412	5.8
of which manufacture of basic metals	928074	77347	8.3	1039120	58651	5.6
manufacture of machinery and equipment	742094	49954	6.7	494503	30004	6.1
manufacture of electrical, electronic and optical equipment	893886	24693	2.8	625491	29733	4.8
manufacture of transport equipment	2642646	112208	4.2	1526460	108180	7.1
of which:						
manufacture of motor vehicles, trailers and semi-trailers	533467	59909	11.2	318347	26269	8.3
manufacture of ships, aircraft and spacecraft and other transport equipment	2109179	52299	2.5	1208113	81911	6.8
Electricity, gas and water supply	2645733	515372	19.5	2381422	524840	22.0



Continued table 24.24

	Creditor liabilities, mln. roubles	including overdue		Debtor receivables, mln. roubles	including overdue	
		mln. roubles	percent of creditor liabilities		mln. roubles	percent of debtor receivables
Construction	3939352	91327	2.3	2744024	123006	4.5
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	9186193	458697	5.0	8504115	437482	5.1
of which:						
sale, maintenance and repair of motor vehicles and motorcycles	701945	8491	1.2	659384	17186	2.6
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	6726068	435981	6.5	7119237	415435	5.8
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	1758180	14225	0.8	725494	4861	0.7
Hotels and restaurants	117381	1549	1.3	92316	1515	1.6
Transport and communications	2600520	106000	4.1	2102370	78783	3.7
of which						
communications	376098	11340	3.0	295593	16373	5.5
Financial intermediation	1146722	6192	0.5	1432474	36845	2.6
Real estate, renting and business activities	5435679	131112	2.4	4201903	136793	3.3

Continued table 24.24

	Creditor liabilities, mln. roubles	including overdue		Debtor receivables, mln. roubles	including overdue	
		mln. roubles	percent of creditor liabilities		mln. roubles	percent of debtor receivables
of which:						
maintenance of housing stock	186944	21561	11.5	127414	19684	15.4
research and development	2105443	18943	0.9	1268903	32546	2.6
Public administration and defence, compulsory social security	37853	11249	29.7	40018	8935	22.3
Education	23411	678	2.9	15236	240	1.6
Health and social work	49562	755	1.5	40348	645	1.6
Other community, social and personal service activities	182527	16191	8.9	206952	16977	8.2

**24.25. LIABILITIES  
OF ORGANIZATIONS TO THE BUDGET AND STATE EXTRA BUDGET  
FUNDS BY ECONOMIC ACTIVITY in 2016**

(end of year)

	Liabilities to the budget, mln. roubles	including overdue		Liabilities to state extra budget funds, mln. roubles	including overdue	
		mln. roubles	percent of liabilities to the budget		mln. roubles	percent of liabilities to state extra budget funds
<b>Total in the economy</b>	<b>2076034</b>	<b>63421</b>	<b>3.1</b>	<b>345410</b>	<b>54566</b>	<b>15.8</b>
Agriculture, hunting and forestry	17656	1748	9.9	13550	2054	15.2
Fishing	2633	52	2.0	736	14	1.8



Continued table 24.25

	Liabilities to the budget, mln. roubles	including overdue		Liabilities to state extra budget funds, mln. roubles	including overdue	
		mln. roubles	percent of liabilities to the budget		mln. roubles	percent of liabilities to state extra budget funds
Mining and quarrying	529378	6990	1.3	32234	6027	18.7
of which:						
mining of energy producing minerals	503685	5883	1.2	23911	4966	20.8
mining except of energy producing minerals	25693	1107	4.3	8323	1061	12.7
Manufacturing	766133	18417	2.4	104609	17814	17.0
of which:						
manufacture of food products, including beverages, and tobacco	331785	902	0.3	9447	322	3.4
manufacture of textiles and textile products	4287	658	15.4	2206	764	34.6
manufacture of leather, leather products and footwear	749	33	4.5	275	15	5.3
manufacture of wood and wood products	3377	88	2.6	2143	177	8.2
manufacture of pulp, paper and paper products; publishing and printing	10448	226	2.2	2465	266	10.8

Continued table 24.25

	Liabilities to the budget, mln. roubles	including overdue		Liabilities to state extra budget funds, mln. roubles	including overdue	
		mln. roubles	percent of liabilities to the budget		mln. roubles	percent of liabilities to state extra budget funds
manufacture of coke and re-fined petroleum products	149001	957	0.6	2890	242	8.4
manufacture of chemical products	21486	1064	5.0	8333	1455	17.5
manufacture of rubber and plastics products	7411	382	5.2	2345	121	5.2
manufacture of other non-metallic mineral products	20191	2250	11.1	9013	2193	24.3
manufacture of basic metals and fabricated metal products	52223	1551	3.0	17774	2267	12.8
of which manufacture of basic metals	39552	679	1.7	12140	1309	10.8
manufacture of machinery and equipment	31627	3185	10.1	11381	2556	22.5
manufacture of electrical, electronic and optical equipment	43830	1288	2.9	11400	1461	12.8
manufacture of transport equipment	63359	2627	4.1	15515	2658	17.1



Continued table 24.25

	Liabilities to the budget, mln. roubles	including overdue		Liabilities to state extra budget funds, mln. roubles	including overdue	
		mln. roubles	percent of liabilities to the budget		mln. roubles	percent of liabilities to state extra budget funds
of which:						
manufacture of motor vehicles, trailers and semi-trailers	33699	1003	3.0	4627	1407	30.4
manufacture of ships, air-craft and spacecraft and other transport equipment	29660	1624	5.5	10888	1251	11.5
Electricity, gas and water supply	153046	11439	7.5	35318	10720	30.4
Construction	100228	6823	6.8	37674	5914	15.7
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	157543	995	0.6	28563	404	1.4
of which:						
sale, maintenance and repair of motor vehicles and motorcycles	22744	97	0.4	2789	72	2.6



Continued table 24.25

	Liabilities to the budget, mln. roubles	including overdue		Liabilities to state extra budget funds, mln. roubles	including overdue	
		mln. roubles	percent of liabilities to the budget		mln. roubles	percent of liabilities to state extra budget funds
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	92015	233	0.3	12218	248	2.0
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	42784	665	1.6	13556	84	0.6
Hotels and restaurants	10324	121	1.2	2155	27	1.3
Transport and communications	140157	7244	5.2	46766	4986	10.7
of which communications	34076	25	0.1	6054	15	0.3
Financial intermediation	14560	194	1.3	743	0.1	0.0
Real estate, renting and business activities	155351	7493	4.8	32840	4725	14.4
of which:						
maintenance of housing stock	5602	714	12.7	2934	577	19.7
research and development	34576	746	2.2	8307	548	6.6



Continued table 24.25

	Liabilities to the budget, mln. roubles	including overdue		Liabilities to state extra budget funds, mln. roubles	including overdue	
		mln. roubles	percent of liabilities to the budget		mln. roubles	percent of liabilities to state extra budget funds
Public administration and defence, compulsory social security	9218	1	0.0	1477	536	36.3
Education	1182	194	16.5	844	153	18.2
Health and social work	2081	95	4.5	1816	100	5.5
Other community, social and personal service activities	16544	1615	9.8	6085	1093	18.0

**24.26. INDEBTEDNESS OF CUSTOMERS AND TO SUPPLIERS OF ORGANIZATIONS BY ECONOMIC ACTIVITY in 2016**  
(end of year)

	Indebtedness of customers, mln. roubles	including overdue		Indebtedness to suppliers, mln. roubles	including overdue	
		mln. roubles	percent of customers' indebtedness		mln. roubles	percent of suppliers indebtedness
<b>Total in the economy</b>	<b>18388364</b>	<b>1544240</b>	<b>8.4</b>	<b>19856787</b>	<b>1968835</b>	<b>9.9</b>
Agriculture, hunting and forestry	331496	12203	3.7	317306	15515	4.9
Fishing	39295	1938	4.9	21133	1015	4.8
Mining and quarrying	2697394	233177	8.6	1185560	134097	11.3
of which:						
mining of energy producing minerals	2567505	216712	8.4	1051745	119501	11.4

Continued table 24.26

	Indebtedness of customers, mln. roubles	including overdue		Indebtedness to suppliers, mln. roubles	including overdue	
		mln. roubles	percent of customers' indebtedness		mln. roubles	percent of suppliers indebtedness
mining and quarrying						
mining except of energy producing minerals	129889	16465	12.7	133815	14596	10.9
Manufacturing	5034010	302650	6.0	5367813	826186	15.4
of which:						
manufacture of food products, including beverages, and tobacco	1083099	22196	2.0	810361	13278	1.6
manufacture of textiles and textile products	46816	1359	2.9	48148	2673	5.6
manufacture of leather, leather products and footwear	10723	276	2.6	11918	238	2.0
manufacture of wood and wood products	43763	5196	11.9	55915	2823	5.0
manufacture of pulp, paper and paper products; publishing and printing	127281	7238	5.7	99463	9287	9.3
manufacture of coke and re-fined petroleum products	807949	32991	4.1	1602430	520199	32.5
manufacture of chemical products	402961	30780	7.6	310310	31630	10.2
manufacture of rubber and plastics products	100902	4062	4.0	96405	2878	3.0
manufacture of other non-metallic mineral products	173840	15491	8.9	195078	19222	9.9
manufacture of basic metals and fabricated metal products	646274	63504	9.8	650354	80738	12.4
of which manufacture of basic metals	495262	51630	10.4	490602	70095	14.3



Continued table 24.26

	Indebtedness of customers, mln. roubles	including overdue		Indebtedness to suppliers, mln. roubles	including overdue	
		mln. roubles	percent of customers' indebtedness		mln. roubles	percent of suppliers indebtedness
manufacture of machinery and equipment	315964	23079	7.3	323045	24915	7.7
manufacture of electrical, electronic and optical equipment	347252	24870	7.2	253162	13971	5.5
manufacture of transport equipment	614034	41365	6.7	644004	72767	11.3
of which:						
manufacture of motor vehicles, trailers and semi-trailers	208279	18805	9.0	360382	49231	13.7
manufacture of ships, air-craft and spacecraft and other transport equipment	405755	22560	5.6	283622	23536	8.3
Electricity, gas and water supply	1547888	450054	29.1	1725535	431528	25.0
Construction	1313815	74698	5.7	1720363	60667	3.5
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	4056664	268571	6.6	6062604	349118	5.8
of which:						
sale, maintenance and repair of motor vehicles and motorcycles	240264	14137	5.9	456242	4361	1.0



Continued table 24.26

	Indebtedness of customers, mln. roubles	including overdue		Indebtedness to suppliers, mln. roubles	including overdue	
		mln. roubles	percent of customers' indebtedness		mln. roubles	percent of suppliers indebtedness
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	3433972	250206	7.3	4165379	332610	8.0
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	382428	4228	1.1	1440983	12147	0.8
Hotels and restaurants	36455	821	2.3	74544	736	1.0
Transport and communications	1156911	52197	4.5	1373147	50307	3.7
of which communications	152696	11058	7.2	203330	10343	5.1
Financial intermediation	406542	25697	6.3	181382	104	0.1
Real estate, renting and business activities	1630818	107093	6.6	1674195	75789	4.5
of which:						
maintenance of housing stock	98844	18268	18.5	115330	19425	16.8
research and development	379850	25949	6.8	325060	11853	3.6
Public administration and defence, compulsory social security	22359	2080	9.3	20272	10657	52.6
Education	6728	212	3.2	9317	186	2.0
Health and social work	21318	345	1.6	22710	471	2.1
Other community, social and personal service activities	86671	12504	14.4	100906	12460	12.3



**24.27. INDEBTEDNESS OF ORGANIZATIONS  
TO RECEIVED BANK CREDITS AND GRANTED LOANS  
BY ECONOMIC ACTIVITY in 2016**  
(end of year)

	Mln. roubles		Percent of total		Share of overdue indebtedness in total indebtedness to bank credits and loans, percent
	total	including overdue indebtedness	total	overdue indebtedness	
<b>Total in the economy</b>	<b>49662180</b>	<b>413037</b>	<b>100</b>	<b>100</b>	<b>0.8</b>
including by economic activity:					
agriculture, hunting and forestry	1578459	19197	3.2	4.7	1.2
fishing	93463	354	0.2	0.1	0.4
mining and quarrying	5422359	100037	10.9	24.2	1.8
of which:					
mining of energy producing minerals	4365783	98067	8.8	23.7	2.2
mining and quarrying mining except of energy producing minerals	1056576	1970	2.1	0.5	0.2
manufacturing	18053431	138762	36.4	33.6	0.8
of which:					
manufacture of food products, including beverages, and tobacco	1330232	10677	2.7	2.6	0.8
manufacture of textiles and textile products	81083	1554	0.2	0.4	1.9
manufacture of leather, leather products and footwear	19223	175	0.0	0.0	0.9
manufacture of wood and wood products	302727	1996	0.6	0.5	0.7
manufacture of pulp, paper and paper products; publishing and printing	280854	675	0.6	0.2	0.2



Continued table 24.27

	Mln. roubles		Percent of total		Share of overdue indebtedness in total indebtedness to bank credits and loans, percent
	total	including overdue indebtedness	total	overdue indebtedness	
manufacture of coke and re-fined petroleum products	7638288	10185	15.4	2.5	0.1
manufacture of chemical products	1724159	21046	3.5	5.1	1.2
manufacture of rubber and plastics products	152440	957	0.3	0.2	0.6
manufacture of other non-metallic mineral products	616447	20256	1.2	4.9	3.3
manufacture of basic metals and fabricated metal products	3038723	18819	6.1	4.6	0.6
of which manufacture of basic metals	2846767	16227	5.7	3.9	0.6
manufacture of machinery and equipment	475622	21134	1.0	5.1	4.4
manufacture of electrical, electronic and optical equipment	359021	3997	0.7	1.0	1.1
manufacture of transport equipment	1602612	15373	3.2	3.8	1.0
of which:					
manufacture of motor vehicles, trailers and semi-trailers	546463	7667	1.1	1.9	1.4
manufacture of ships, air-craft and space-craft and other transport equipment	1056149	7706	2.1	1.9	0.7
electricity, gas and water supply	2399732	16650	4.8	4.0	0.7



Continued table 24.27

	Min. roubles		Percent of total		Share of overdue indebtedness in total indebtedness to bank credits and loans, percent
	total	including overdue indebtedness	total	overdue indebtedness	
construction	1286986	55467	2.6	13.4	4.3
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	8224006	31605	16.6	7.7	0.4
of which:					
sale, maintenance and repair of motor vehicles and motorcycles	500903	1118	1.0	0.3	0.2
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	6511924	2770	13.1	0.7	0.0
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	1211179	27717	2.5	6.7	2.3
hotels and restaurants	264053	139	0.5	0.0	0.1
transport and communications	5255461	23989	10.6	5.8	0.5
of which communications	1329112	9	2.7	0.0	0.0
financial intermediation	2117447	6350	4.3	1.5	0.3
real estate, renting and business activities	4741637	13192	9.5	3.2	0.3
of which:					
maintenance of housing stock	47175	87	0.1	0.0	0.2
research and development	290034	833	0.6	0.2	0.3





Continued table 24.27

	Mln. roubles		Percent of total		Share of overdue indebtedness in total indebtedness to bank credits and loans, percent
	total	including overdue indebtedness	total	overdue indebtedness	
public administration and defence, compulsory social security	23539	87	0.0	0.0	0.4
education	3380	46	0.0	0.0	1.4
health and social work	49229	587	0.1	0.2	1.2
other community, social and personal service activities	148998	6575	0.3	1.6	4.4

**24.28. ORGANIZATIONS WITH OVERDUE INDEBTEDNESS OF CUSTOMERS AND TO SUPPLIERS BY ECONOMIC ACTIVITY in 2016**

	Number of organizations with overdue indebtedness		Share of organizations with overdue indebtedness in total number of organizations, percent	
	of customers	to suppliers	of customers	to suppliers
<b>Total in the economy</b>	<b>12972</b>	<b>7412</b>	<b>25.0</b>	<b>14.3</b>
Agriculture, hunting and forestry	771	516	17.8	11.9
Fishing	25	12	15.6	7.5
Mining and quarrying	416	317	35.2	26.8
of which:				
mining of energy producing minerals	247	196	37.8	30.0
mining except of energy producing minerals	169	121	31.9	22.9
Manufacturing	2980	1791	25.5	15.3



Continued table 24.28

	Number of organizations with overdue indebtedness		Share of organizations with overdue indebtedness in total number of organizations, percent	
	of customers	to suppliers	of customers	to suppliers
of which:				
manufacture of food products, including beverages, and tobacco	479	218	19.4	8.8
manufacture of textiles and textile products	84	54	22.6	14.5
manufacture of leather, leather products and footwear	19	13	20.0	13.7
manufacture of wood and wood products	72	45	22.4	14.0
manufacture of pulp, paper and paper products; publishing and printing	191	74	22.6	8.8
manufacture of coke and refined petroleum products	48	40	45.7	38.1
manufacture of chemical products	185	112	30.0	18.2
manufacture of rubber and plastics products	115	55	22.4	10.7
manufacture of other non-metallic mineral products	333	217	28.3	18.4
manufacture of basic metals and fabricated metal products	345	236	28.8	19.7
of which manufacture of basic metals	129	99	34.5	26.5
manufacture of machinery and equipment	329	204	27.7	17.2
manufacture of electrical, electronic and optical equipment	345	219	24.8	15.7
manufacture of transport equipment	247	184	31.5	23.4
of which:				
manufacture of motor vehicles, trailers and semi-trailers	101	76	26.9	20.3
manufacture of ships, air-craft and spacecraft and other transport equipment	146	108	35.6	26.3
Electricity, gas and water supply	2419	1733	58.9	42.2
Construction	829	523	22.8	14.4



Continued table 24.28

	Number of organizations with overdue indebtedness		Share of organizations with overdue indebtedness in total number of organizations, percent	
	of customers	to suppliers	of customers	to suppliers
Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	1197	361	15.3	4.6
of which:				
sale, maintenance and repair of motor vehicles and motorcycles	179	59	14.3	4.7
wholesale trade and commission trade, except sale of motor vehicles and motorcycles	869	213	18.9	4.6
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	149	89	7.5	4.5
Hotels and restaurants	153	64	13.2	5.5
Transport and communications	1036	581	26.3	14.7
of which communications	111	31	31.5	8.8
Financial intermediation	77	10	22.4	2.9
Real estate, renting and business activities	2022	942	25.7	12.0
of which:				
maintenance of housing stock	574	392	44.0	30.0
research and development	235	112	27.6	13.2
Public administration and defence, compulsory social security	19	9	27.5	13.0
Education	181	88	9.8	4.7
Health and social work	137	56	12.3	5.0
Other community, social and personal service activities	710	409	26.5	15.2



**24.29. OVERDUE INDEBTEDNESS ON LABOUR REIMBURSEMENT  
OF ORGANIZATIONS BY ECONOMIC ACTIVITY <sup>1)</sup>**

(beginning of year; mln. roubles)

	2005	2006	2014	2015	2016	2017
<b>Total by surveyed economic activity</b>	<b>14315</b>	<b>5756</b>	<b>1949</b>	<b>2006</b>	<b>3572</b>	<b>2725</b>
Agriculture, hunting and forestry <sup>2)</sup>	3889	1778	255	218	189	182
Fishing	211	110	12	3	2	1.2
Mining and quarrying	640	144	149	190	203	130
including:						
mining of energy producing minerals	415	63	56	92	76	0.4
mining and quarrying mining except of energy producing minerals	225	81	93	98	127	129
Manufacturing	4176	1955	680	806	1154	1604
including:						
manufacture of food products, including beverages, and tobacco	344	148	191	191	158	88
manufacture of textiles and textile products	186	60	16	6	52	7
manufacture of leather, leather products and footwear	25	1	-	-	-	5
manufacture of wood and wood products	113	90	40	35	10	31
manufacture of pulp, paper and paper products; publishing and printing	21	27	32	56	24	27
manufacture of coke and refined petroleum products	0.1	-	4	5	6	45
manufacture of chemical products	308	171	12	7	2	-
manufacture of rubber and plastics products	41	9	1	-	5	7
manufacture of other non-metallic mineral products	281	98	30	69	171	94
manufacture of basic metals and fabricated metal products	166	105	55	96	161	253
manufacture of machinery and equipment	603	295	66	136	157	178
manufacture of electrical, electronic and optical equipment	460	153	96	112	114	167
manufacture of transport equipment	1078	400	125	70	78	140
other manufacturing	39	23	11	8	7	3



Continued table 24.29

	2005	2006	2014	2015	2016	2017
Electricity, gas and water supply	1118	521	69	116	65	46
Construction	1300	346	367	415	834	482
Transport	842	316	249	190	926	169
Real estate, renting and business activities <sup>3)</sup>	1042	259	15	16	27	15
Research and development	427	190	129	32	112	28
Education	162	34	6	5	10	34
Health and social work	256	30	7	5	15	16
Waste water collection, sanitation and similar activities	216	67	3	6	24	12
Cultural activities	36	6	8	4	11	6

<sup>1)</sup> For 2014 - without account to data on the Crimean Federal District.

<sup>2)</sup> Forestry includes logging.

<sup>3)</sup> Including management of real estate.

### 24.30. PAYMENTS AND SETTLEMENT TRANSACTIONS OF ORGANIZATIONS OF RUSSIA WITH ORGANIZATIONS OF THE CIS COUNTRIES in 2016

(end of year; by direct contracts; mln. roubles)

	Liabilities				Excess of liabilities of organizations of the CIS countries over liabilities of organizations of Russia	
	organizations of the CIS countries to organizations of Russia (of customers)		organizations of Russia to organizations of the CIS countries (to suppliers)		total	of which overdue
	total	of which overdue	total	of which overdue		
<b>Total</b>	<b>186514</b>	<b>10213</b>	<b>102779</b>	<b>2611</b>	<b>83735</b>	<b>7602</b>
including organizations of:						
Azerbaijan	4958	114	1538	1	3420	113
Armenia	9342	89	724	4	8618	85
Belarus <sup>1)</sup>	59391	1025	32919	393	26472	632
Kazakhstan	55897	2774	13023	343	42874	2431
Kyrgyzstan	3487	58	352	3	3135	55
Republic of Moldova	3184	122	355	0.3	2829	122
Tajikistan	3961	38	217	3	3744	35
Turkmenistan	2595	456	172	0.1	2423	456
Uzbekistan	7503	1502	8275	6	-772	1496
Ukraine	36196	4035	45204	1858	-9008	2177



## 25. INVESTMENTS

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**Investments in non-financial assets** include the following categories: fixed capital investments and investments in non-produced non-financial assets.

In the system of indicators, characterizing volume and structure of investments in non-financial assets the highest priority is given to **investments in fixed capital** which include expenditures on construction, reconstruction (including extension and modernization) of units which lead to increase of the original cost of objects, purchase of machines, equipment, transport, production and household inventory on formation draft and breeding herd, perennial planting. Starting from 2013 fixed capital investments include investments in intellectual property assets: works of science, literature and art; software and databases, inventions, useful models, industrial designs, selection achievements, incurred intangible prospecting costs, expenditures of research and development, experimental and technological works, etc.

Investments in fixed capital include consumed costs at the expense of funds of citizens and legal entities obtained by developer organizations for equity construction.

Costs for acquisition of unfinished construction projects and fixed assets on secondary market are not recorded in the total volume of investments in fixed capital.



Distribution of fixed capital by kinds of economic activities is performed in accordance with OKVED classification taking into account the purposes of the fund allocation, i.e. the kind of activity where it will be used.

Data related to investments in fixed capital is given at actual prices, volume indices of fixed capital investments were estimated at constant prices. Average annual prices of the previous year are assumed as comparable prices.

Since 2005 fixed capital investments are given excepting value-added tax.

**Direct investment** is a category of cross-border investment associated with a resident in one economy having control (more than 50 per cent of the voting power) or a significant degree of influence (from 10 to 50 percent) on the management of an enterprise that is resident in another economy.

**Financial investments** – state and municipal securities, securities of other institutions, including debt securities, in which data and redemption cost are determined (bonds, papers); deposits in charter (contributed) capitals of other organizations (including subsidiaries and independent economic societies); deposits (contributions) of partner institutions under a simple partnership agreement; loans to other institutions; deposits in credit institutions, debtor receivables acquired by assignment of right of demand, etc.



## INVESTMENTS IN NON-FINANCIAL ASSETS

### 25.1. INVESTMENTS IN NON-FINANCIAL ASSETS <sup>1)</sup> (percent of total)

Years	Investments in non-financial assets - total	including	
		fixed capital investments	investments in non-produced non-financial assets
2013	100	98.7	1.3
2014	100	98.5	1.5
2015	100	97.7	2.3
2016	100	98.9	1.1

<sup>1)</sup> Excluding small businesses and investments which are not observed by direct statistical methods.

### 25.2. FIXED CAPITAL INVESTMENTS

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Fixed capital investments</b> (at actual prices), bln. roubles (1992 -trln. roubles)	2.7	1165.2	3611.1	9152.1	12586.1	13450.2	13902.6	13897.2	14639.8
Volume indices of fixed capital investments (at comparable prices):									
percent of previous year	60.3	117.4	110.2	106.3	106.8	100.8	98.5 <sup>1)</sup>	89.9	99.1
percent of 1990	51.3	26.1	43.5	63.9	75.6	76.2	75.1	67.5	66.9

<sup>1)</sup> In order to achieve statistical comparability indicator is calculated without account to data on the Republic of Crimea and the city of Sevastopol.





**25.3. FIXED CAPITAL INVESTMENTS  
BY OWNERSHIP TYPES**  
(bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Fixed capital investments – total</b>	<b>1165.2</b>	<b>3611.1</b>	<b>9152.1</b>	<b>12586.1</b>	<b>13450.2</b>	<b>13902.6</b>	<b>13897.2</b>	<b>14639.8</b>
including by ownership types:								
property of Russia	1005.4	2909.0	7886.6	10643.6	11540.5	11975.6	11720.5	12192.2
of which:								
state	277.9	677.7	1577.1	2114.6	2315.5	2069.7	2052.2	2212.8
municipal	52.9	137.6	294.5	404.7	462.8	466.3	414.1	381.5
private	348.3	1623.1	5213.9	6385.5	7252.3	7832.9	7903.2	8244.0
consumer cooperation	0.8	2.5	3.0	2.4	2.9	3.7	2.3	1.1
public and religious organizations	1.5	2.5	4.0	4.9	4.9	12.0	9.2	3.3
mixed Russian (without foreign participation)	324.0	465.6	683.0	1519.3	1271.4	1350.9	1138.8	1144.2
property of state corporations			111.1	212.2	230.0	239.0	200.7	205.3
foreign property	17.7	298.4	537.8	1142.8	1038.1	975.8	1147.1	1101.0
joint Russian and foreign property	142.1	403.7	727.7	799.7	871.6	951.2	1029.6	1346.6



**25.4. FIXED CAPITAL INVESTMENTS  
BY OWNERSHIP TYPES**  
(percent of total)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Fixed capital investments</b>								
– total	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including by ownership types of investors (customers):								
property of Russia	86.3	80.6	86.2	84.5	85.8	86.1	84.3	83.3
state property	23.9	18.8	17.2	16.8	17.2	14.9	14.8	15.1
municipal property	4.5	3.8	3.2	3.2	3.4	3.4	3.0	2.6
private property	29.9	44.9	57.0	50.7	53.9	56.3	56.8	56.3
property of public and religious organizations	0.1	0.1	0.04	0.04	0.04	0.1	0.1	0.02
consumer cooperation	0.1	0.1	0.03	0.02	0.02	0.03	0.02	0.01
mixed Russian property	27.8	12.9	7.5	12.1	9.5	9.7	8.2	7.8
property of state corporations			1.2	1.7	1.7	1.7	1.4	1.4
foreign property	1.5	8.2	5.9	9.1	7.7	7.0	8.3	7.5
joint Russian and foreign property	12.2	11.2	7.9	6.4	6.5	6.9	7.4	9.2

**25.5. FIXED CAPITAL INVESTMENTS  
BY SOURCES OF FINANCING <sup>1)</sup>**  
(bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Fixed capital investments – total</b>	<b>1053.7</b>	<b>2893.2</b>	<b>6625.0</b>	<b>9595.7</b>	<b>10065.7</b>	<b>10379.6</b>	<b>10496.3</b>	<b>10993.7</b>
including by sources of financing:								
own funds	500.6	1287.2	2715.0	4274.6	4549.9	4742.3	5271.1	5689.6
obtained funds	553.1	1606.0	3910.0	5321.1	5515.8	5637.3	5225.2	5304.1
of which:								
bank credits	30.6	235.6	595.8	806.3	1003.6	1098.7	849.9	1152.8
including foreign bank credits	6.2	27.9	150.0	113.7	107.7	265.2	183.5	314.0
borrowed funds of other organizations	75.6	171.1	404.7	588.2	626.1	660.1	701.0	598.1
foreign investments	...	...	...	...	76.4	88.8	120.4	57.8
budget funds (consolidated budget)	232.1	589.2	1294.9	1712.9	1916.3	1761.3	1922.7	1750.4
including:								
of the federal budget	62.9	202.2	661.9	926.6	1009.9	933.6	1185.7	984.3
of budgets of constituent entities of the Russian Federation	151.2	356.1	542.8	677.0	753.3	676.6	600.3	647.7
of local budgets	...	...	...	109.3	153.1	151.1	136.7	118.4
means of non-budget funds	50.3	15.6	21.0	33.3	27.9	24.0	27.3	26.5
funds of organizations and population for equity construction	...	108.6	144.2	259.5	294.9	367.6	334.3	307.8
of which funds of population <sup>2)</sup>			80.5	197.1	234.7	281.7	252.3	224.2
other	164.5	485.9	1449.4	1920.9	1570.6	1636.8	1269.6	1410.7

<sup>1)</sup> Excluding small businesses and investments which are not observed by direct statistical methods.

<sup>2)</sup> Statistical observation is carried out since 2006.



**25.6. FIXED CAPITAL INVESTMENTS  
BY SOURCES OF FINANCING <sup>1)</sup>**  
(percent of total)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Fixed capital investments – total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including by sources of financing:								
own funds	47.5	44.5	41.0	44.5	45.2	45.7	50.2	51.8
obtained funds	52.5	55.5	59.0	55.5	54.8	54.3	49.8	48.2
of which:								
bank credits	2.9	8.1	9.0	8.4	10.0	10.6	8.1	10.5
including foreign bank credits	0.6	1.0	2.3	1.2	1.1	2.6	1.7	2.9
borrowed funds of other organizations	7.2	5.9	6.1	6.1	6.2	6.4	6.7	5.4
foreign investments	...	...	...	...	0.8	0.9	1.1	0.5
budget funds	22.0	20.4	19.5	17.9	19.0	17.0	18.3	16.0
including:								
of the federal budget	6.0	7.0	10.0	9.7	10.0	9.0	11.3	9.0
of the budgets of constituent entities of the Russian Federation	14.3	12.3	8.2	7.1	7.5	6.5	5.7	5.9
of local budgets	...	...	...	1.1	1.5	1.5	1.3	1.1
means of non-budget funds	4.8	0.5	0.3	0.4	0.3	0.2	0.3	0.2
funds of organizations and population for equity construction	...	3.8	2.2	2.7	2.9	3.5	3.2	2.8
of which funds of population <sup>2)</sup>			1.2	2.1	2.3	2.7	2.4	2.0
other	15.6	16.8	21.9	20.0	15.6	15.7	12.1	12.8

<sup>1)</sup> Excluding small businesses and investments which are not observed by direct statistical methods.

<sup>2)</sup> Statistical observation is carried out since 2006.

**25.7. FIXED CAPITAL INVESTMENTS  
BY ECONOMIC ACTIVITY**  
(bln. roubles)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Fixed capital investments - total</b>	<b>1165.2</b>	<b>3611.1</b>	<b>9152.1</b>	<b>12586.1</b>	<b>13450.2</b>	<b>13902.6</b>	<b>13897.2</b>	<b>14639.8</b>
including by economic activity:								
agriculture, hunting and forestry	34.8	142.3	303.8	476.4	516.6	510.3	505.8	611.2
fishing	2.2	3.1	5.4	12.2	14.3	15.2	14.4	16.4
mining and quarrying	211.4	501.9	1264.0	1858.4	2004.0	2144.8	2385.2	2830.4
of which:								
mining of energy producing minerals	195.0	447.0	1157.9	1651.0	1788.4	1957.1	2173.1	2613.2
mining except of energy producing minerals	16.4	54.9	106.1	207.4	215.6	187.8	212.1	217.2
manufacturing	190.2	593.9	1207.6	1688.7	1945.3	2084.6	2172.6	2123.7
of which:								
manufacture of food products, including beverages, and tobacco	43.9	112.6	176.5	218.5	233.4	251.4	247.1	242.8
manufacture of textiles and textile products	1.9	3.8	11.3	12.1	16.6	21.0	11.8	9.5
manufacture of leather, leather products and footwear	0.2	1.2	4.2	5.1	5.7	7.8	6.0	3.6
manufacture of wood and wood products	6.9	20.5	27.7	56.4	53.8	49.4	58.1	59.9
manufacture of pulp, paper and paper products; publishing and printing	9.2	26.9	43.0	58.7	57.1	49.8	51.9	67.5
manufacture of coke and refined petroleum products	21.6	51.0	201.3	310.9	441.7	486.5	478.3	364.2
manufacture of chemical products	15.9	56.8	112.9	212.3	238.8	261.5	347.7	411.3
manufacture of rubber and plastics products	3.7	16.8	27.5	36.5	44.6	43.9	53.8	40.4
manufacture of other non-metallic mineral products	9.7	47.2	122.7	146.8	146.6	136.5	104.2	79.9



## 25. INVESTMENTS

Continued table 25.7

	2000	2005	2010	2012	2013	2014	2015	2016
manufacture of basic metals and fabricated metal products	35.9	137.2	216.2	258.6	250.2	247.5	276.2	339.1
including manufacture of basic metals	32.3	122.9	185.8	220.0	207.0	205.1	229.7	288.1
manufacture of machinery and equipment	8.8	31.9	62.0	76.2	92.9	103.2	111.7	99.0
manufacture of electrical, electronic and optical equipment	6.9	19.6	35.1	59.2	73.2	75.3	97.5	84.9
manufacture of transport equipment	16.4	34.1	101.0	143.9	185.1	228.4	216.8	204.0
including:								
manufacture of motor vehicles, trailers and semi-trailers	9.9	19.4	57.3	64.9	97.8	120.6	118.2	93.1
manufacture of ships, aircraft and spacecraft and other transport equipment	6.5	14.7	43.7	79.0	87.3	107.8	98.6	110.9
electricity, gas and water supply	69.8	244.1	818.8	1166.0	1187.6	1186.2	980.0	940.2
construction	74.9	129.5	342.1	348.6	438.1	469.3	401.2	445.0
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	31.0	129.1	336.9	456.0	517.9	554.6	542.8	632.7
of which:								
sale, maintenance and repair of motor vehicles and motorcycles	2.3	14.0	49.8	72.2	78.2	84.7	73.8	72.3
wholesale trade and commission trade, except motor vehicles and motorcycles	20.5	75.0	143.3	158.7	174.0	184.9	201.6	278.4
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	8.2	40.1	143.8	225.1	265.7	285.0	267.4	282.0



## 25. INVESTMENTS

Continued table 25.7

	2000	2005	2010	2012	2013	2014	2015	2016
hotels and restaurants	9.3	12.9	46.9	45.1	89.3	105.5	92.1	107.9
transport and communications	246.6	884.8	2336.8	3330.7	3288.6	2981.0	2499.7	2726.7
of which communications	31.1	196.1	265.7	351.8	309.9	352.5	356.1	384.2
financial intermediation	9.4	49.4	119.7	204.2	186.7	170.5	195.4	231.2
real estate, renting and business activities	177.4	607.5	1638.0	1968.0	2195.7	2701.4	3161.4	3018.3
of which research and development	5.8	19.4	68.9	94.0	133.8	137.3	184.5	190.1
public administration and defence, compulsory social security	17.5	57.0	125.9	214.5	228.5	241.0	233.7	278.8
education	15.6	68.8	163.7	213.3	228.9	242.7	241.0	210.6
health and social work	29.7	94.8	196.2	255.8	222.5	197.8	182.0	181.8
other community, social and personal service activities	45.4	92.0	246.3	348.2	386.2	297.6	289.9	284.9

**25.8. FIXED CAPITAL INVESTMENTS  
BY ECONOMIC ACTIVITY**  
(percent of total)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Fixed capital investments</b>								
- total	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including by economic activity:								
agriculture, hunting and forestry	3.0	3.9	3.3	3.8	3.8	3.7	3.6	4.2
fishing	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
mining and quarrying	18.1	13.9	13.8	14.8	14.9	15.5	17.1	19.4
of which:								
mining of energy producing minerals	16.7	12.4	12.7	13.1	13.3	14.1	15.6	17.9
mining except of energy producing minerals	1.4	1.5	1.1	1.7	1.6	1.4	1.5	1.5



## 25. INVESTMENTS

Continued table 25.8

	2000	2005	2010	2012	2013	2014	2015	2016
manufacturing	16.3	16.4	13.2	13.4	14.4	15.1	15.6	14.6
of which:								
manufacture of food products, including beverages, and tobacco	3.8	3.1	1.9	1.7	1.7	1.8	1.8	1.7
manufacture of textiles and textile products	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
manufacture of leather, leather products and footwear	0.02	0.03	0.05	0.04	0.04	0.1	0.04	0.02
manufacture of wood and wood products	0.6	0.6	0.3	0.4	0.4	0.4	0.4	0.4
manufacture of pulp, paper and paper products; publishing and printing	0.8	0.7	0.5	0.5	0.4	0.4	0.4	0.5
manufacture of coke and refined petroleum products	1.9	1.4	2.2	2.5	3.3	3.5	3.4	2.5
manufacture of chemical products	1.4	1.6	1.2	1.7	1.8	1.9	2.5	2.8
manufacture of rubber and plastics products	0.3	0.5	0.3	0.3	0.3	0.3	0.4	0.3
manufacture of other non-metallic mineral products	0.8	1.3	1.3	1.2	1.1	1.0	0.8	0.5
manufacture of basic metals and fabricated metal products	3.1	3.8	2.3	2.1	1.9	1.8	2.0	2.3
including manufacture of basic metals	2.8	3.4	2.0	1.8	1.6	1.5	1.7	2.0
manufacture of machinery and equipment	0.8	0.9	0.7	0.6	0.7	0.7	0.8	0.7
manufacture of electrical, electronic and optical equipment	0.6	0.5	0.4	0.5	0.5	0.5	0.7	0.6





## 25. INVESTMENTS

Continued table 25.8

	2000	2005	2010	2012	2013	2014	2015	2016
manufacture of transport equipment	1.4	0.9	1.1	1.1	1.4	1.6	1.6	1.4
including:								
manufacture of motor vehicles, trailers and semi-trailers	0.8	0.5	0.6	0.5	0.7	0.8	0.9	0.6
manufacture of ships, aircraft and spacecraft and other transport equipment	0.6	0.4	0.5	0.6	0.7	0.8	0.7	0.8
electricity, gas and water supply	6.0	6.8	9.0	9.3	8.8	8.5	7.1	6.4
construction	6.4	3.6	3.7	2.8	3.3	3.4	2.9	3.0
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	2.7	3.6	3.7	3.6	3.9	4.0	3.9	4.3
of which:								
sale, maintenance and repair of motor vehicles and motorcycles	0.2	0.4	0.5	0.6	0.6	0.6	0.5	0.5
wholesale trade and commission trade, except motor vehicles and motorcycles	1.8	2.1	1.6	1.2	1.3	1.3	1.5	1.9
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	0.7	1.1	1.6	1.8	2.0	2.1	1.9	1.9
hotels and restaurants	0.8	0.4	0.5	0.4	0.7	0.8	0.7	0.7
transport and communications	21.2	24.5	25.5	26.4	24.5	21.4	18.0	18.6
of which communications	2.7	5.4	2.9	2.8	2.3	2.5	2.5	2.6
financial intermediation	0.8	1.4	1.3	1.6	1.4	1.2	1.4	1.6



## 25. INVESTMENTS

Continued table 25.8

	2000	2005	2010	2012	2013	2014	2015	2016
real estate, renting and business activities	15.2	16.8	17.9	15.6	16.3	19.4	22.8	20.6
of which research and development	0.5	0.5	0.7	0.7	1.0	1.0	1.3	1.3
public administration and defence, compulsory social security	1.5	1.6	1.4	1.7	1.7	1.7	1.7	1.9
education	1.3	1.9	1.8	1.7	1.7	1.7	1.7	1.4
health and social work	2.6	2.6	2.1	2.0	1.7	1.4	1.3	1.2
other community, social and personal service activities	3.9	2.5	2.7	2.8	2.8	2.1	2.1	2.0

**25.9. FIXED CAPITAL INVESTMENTS  
BY KINDS OF FIXED ASSETS**

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Billion roubles</b>							
<b>Fixed capital investments - total</b>	<b>1165.2</b>	<b>3611.1</b>	<b>9152.1</b>	<b>12586.1</b>	<b>13450.2</b>	<b>13902.6</b>	<b>13897.2</b>	<b>14639.8</b>
including:								
dwellings in buildings (other than dwellings) and structures	132.0	434.2	1111.7	1533.7	1681.5	2014.4	2172.8	2254.3
in machinery, equipment and vehicles	502.2	1460.2	3962.8	5560.2	5582.7	5665.3	6069.1	6618.1
other	426.6	1484.0	3472.7	4731.6	5212.8	5052.0	4375.1	4480.7
	104.4	232.7	604.9	760.6	973.2	1170.9	1280.2	1286.7
	<b>Percent of total</b>							
<b>Fixed capital investments - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
dwellings in buildings (other than dwellings) and structures	11.3	12.0	12.2	12.2	12.5	14.5	15.6	15.4
in machinery, equipment and vehicles	43.1	40.4	43.3	44.2	41.5	40.8	43.7	45.2
other	36.6	41.1	37.9	37.6	38.8	36.3	31.5	30.6
	9.0	6.5	6.6	6.0	7.2	8.4	9.2	8.8



## FOREIGN INVESTMENTS

### 25.10. FDI IN THE ECONOMY OF THE RUSSIAN FEDERATION BY MAIN INVESTING COUNTRIES <sup>1)</sup>

(balance of transactions of the Russian Federation Balance of Payments;  
mln. US dollars)

	2012	2013	2014	2015
<b>Foreign direct investments– total</b>	<b>+50588</b>	<b>+69219</b>	<b>+22031</b>	<b>+6478</b>
of which from country:				
Bahamas, the	+2111	+2791	+3638	+5090
Virgin islands (British), the	+2475	+9379	+3123	+2242
Jersey	+642	+509	-717	+2122
Bermuda	-320	+404	+1777	+1692
France	+1232	+2121	+2224	+1686
Germany	+2265	+335	+349	+1483
United Kingdom	+46	+18927	+120	+1104
China	+450	+597	+1271	+645
Ireland	+9877	+10399	-531	+623
Japan	+596	+369	+295	+447
Cyprus	+1985	+8266	+3158	-7057
Luxembourg	+10814	+11638	-693	-5770
Hungary	+683	+736	+534	-452
Finland	+349	+216	+124	-272
Netherlands, the	+10330	+5716	+1102	-249
Norway	+69	+94	+51	-93
Cayman Islands, the	+95	-79	+6	-79
Seychelles, the	+423	-31	-20	-65
Vietnam	-26	-29	-42	-32
St. Vincent and the Grenadines	+22	+26	+26	-26

<sup>1)</sup> Data source: Bank of Russia. Data is presented according to asset/liability approach. Symbol (+) indicates growth, symbol (-) indicates reduction.



**25.11. DIRECT INVESTMENTS FROM RUSSIA TO THE ECONOMIES OF  
LARGEST FDI RECIPIENTS <sup>1)</sup>**

 (balance of transactions of the Russian Federation Balance of Payments;  
mln. US dollars)

	2012	2013	2014	2015
<b>Direct investments – total</b>	<b>+48822</b>	<b>+86507</b>	<b>+57082</b>	<b>+22188</b>
of which to country:				
Cyprus	+20920	+7671	+23546	+4308
Virgin islands (British), the	+7395	+62223	+718	+3296
Turkey	+4105	+1447	+1183	+1475
Finland	+271	+91	+146	+1454
Jersey	+388	-16	-261	+1258
Bahamas, the	+443	+560	+756	+1028
Cayman Islands, the	-13	+507	+789	+934
USA	+688	+739	+1654	+819
Luxembourg	-504	+1314	+639	+785
Austria	+1035	+5265	+1135	+746
United Kingdom	+632	+1294	+1935	-439
Bermuda	+1136	+571	+2997	-261
Georgia	+56	+33	+93	-131
Latvia	+348	+568	+513	-22
Republic of Moldova	+131	+43	-212	-14
Serbia	+63	-39	-42	-10
Panama	+6	+4	+11	-9
Guemsey	-7	91	-65	-8
Curaçao	+0.0	+1	+20	-3
Tajikistan	+38	-42	-11	-1

<sup>1)</sup> Data source: Bank of Russia. Data is presented according to asset/liability approach. Symbol (+) indicates growth, symbol (-) indicates reduction.

## FINANCIAL

## 25.12. FINANCIAL INVESTMENTS OF ORGANIZATIONS

(mln.)

	2003			2005		
	total	including		total	including	
		long term	short term		long term	short term
<b>Financial investments – total</b>	<b>3390515</b>	<b>978255</b>	<b>2412260</b>	<b>9209175</b>	<b>1848851</b>	<b>7360324</b>
of which						
by economic activity:						
agriculture, hunting and forestry	12037	2366	9671	23861	7135	16726
fishing	1148	468	680	1994	626	1368
mining and quarrying	426635	206442	220193	525991	157929	368062
including:						
mining of energy producing minerals	389163	189355	199808	325007	89742	235265
mining except of energy producing minerals	37472	17087	20385	200984	68187	132797
manufacturing	1365043	168656	1196387	6478515	733793	5744722
of which:						
manufacture of food products, including beverages, and tobacco	95039	14299	80740	115563	17365	98198
manufacture of textiles and textile products	4638	487	4151	8623	1341	7282
manufacture of leather, leather products and footwear	496	150	346	329	9	320
manufacture of wood and wood products	3311	1424	1887	4348	1362	2986
manufacture of pulp, paper and paper products; publishing and printing	20170	3234	16936	55355	8157	47198
manufacture of coke and refined petroleum products	58187	21645	36542	2501171	469052	2032119



## INVESTMENTS

## BY ECONOMIC ACTIVITY

(roubles)

2014			2015			2016		
total	including		total	including		total	including	
	long term	short term		long term	short term		long term	short term
78604356	9805417	68798939	127113606	13804111	113309495	136718873	15517216	121201657
374073	56375	317698	582642	79742	502900	792439	103642	688797
28203	17202	11001	67957	22739	45218	67834	36721	31113
5965849	1738072	4227777	8926776	2549431	6377345	8675095	3273983	5401112
4826168	1478277	3347891	6765485	2359484	4406001	7123016	3055128	4067888
1139681	259795	879886	2161291	189947	1971344	1552079	218855	1333224
14466402	2559751	11906651	20843008	2925006	17918002	24729302	4276305	20452997
1456443	156360	1300083	1873032	138536	1734496	2531943	220364	2311579
29339	13164	16175	41565	1670	39895	53005	6374	46631
2044	915	1129	3351	517	2834	12299	558	11741
53098	9469	43629	68441	13846	54595	60955	14076	46879
310148	13582	296566	409056	5436	403620	529507	23339	506168
6226434	1819283	4407151	7327431	1694206	5633225	8815249	2224298	6590951



## 25. INVESTMENTS

	2003			2005		
	total	including		total	including	
		long term	short term		long term	short term
manufacture of chemical products	52370	15890	36480	72880	17136	55744
manufacture of rubber and plastics products	2978	1454	1524	7262	544	6718
manufacture of other non-metallic mineral products	12672	2201	10471	31167	4895	26272
manufacture of basic metals and fabricated metal products	590773	57771	533002	3165103	155366	3009737
of which manufacture of basic metals	581520	56921	524599	3142897	152221	2990676
manufacture of machinery and equipment	43186	11451	31735	54167	8453	45714
manufacture of electrical, electronic and optical equipment	27839	4455	23384	27541	5528	22013
manufacture of transport equipment	404590	29246	375344	386884	29190	357694
including:						
manufacture of motor vehicles, trailers and semi-trailers	202132	10125	192007	244147	19730	224417
manufacture of ships, aircraft and spacecraft and other transport equipment	202458	19121	183337	142737	9460	133277
electricity, gas and water supply	328969	170825	158144	321029	181575	139454
construction	35884	5418	30466	68211	7925	60286



## 25. INVESTMENTS

Continued table 25.12

total	2014		2015			2016		
	including		total	including		total	including	
	long term	short term		long term	short term		long term	short term
1177497	117861	1059636	3145298	281848	2863450	3172905	401962	2770943
121951	28825	93126	229201	7092	222109	188246	22846	165400
435464	61624	373840	467501	60648	406853	564355	32693	531662
1970017	221123	1748894	3995184	454796	3540388	4816725	1062674	3754051
1825977	206657	1619320	3697800	439010	3258790	4331115	1039741	3291374
330135	16691	313444	570044	23193	546851	646456	16077	630379
604930	18715	586215	590373	20395	569978	833243	63176	770067
1398912	55878	1343034	1535965	182745	1353220	1576590	159688	1416902
788701	21890	766811	802913	70027	732886	732585	30046	702539
610211	33988	576223	733052	112718	620334	844005	129642	714363
3627127	374227	3252900	4651507	323230	4328277	5086640	352997	4733643
1259908	93732	1166176	2594959	83606	2511353	3265418	110031	3155387





## 25. INVESTMENTS

	2003			2005		
	total	including		total	including	
		long term	short term		long term	short term
wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods	618193	149108	469085	1093311	532421	560890
including:						
sale, maintenance and repair of motor vehicles and motorcycles	61156	820	60336	48791	1418	47373
wholesale trade and commission trade, except motor vehicles and motorcycles	530399	146310	384089	992051	522411	469640
retail trade, except sale of motor vehicles and motorcycles and repair of personal and household goods	26638	1978	24660	52469	8592	43877
hotels and restaurants	2601	653	1948	7460	1661	5799
transport and communications	213961	58875	155086	287729	75929	211800
of which communications	165357	37165	128192	206909	43795	163114
financial intermediation	53505	27542	25963	61726	24760	36966
real estate, renting and business activities	134471	64941	69530	325453	120217	205236
of which:						
maintenance of housing stock	-	-	-	122	55	67
research and development	39499	18728	20771	33458	2711	30747
public administration and defence, compulsory social security	182669	120900	61769	1795	1222	573
education	1560	62	1498	1649	59	1590
health and social work	1528	316	1212	886	156	730
other community, social and personal service activities	12311	1683	10628	9565	3443	6122



## 25. INVESTMENTS

Continued table 25.12

total	2014		2015			2016		
	including		total	including		total	including	
	long term	short term		long term	short term		long term	short term
24395572	1851328	22544244	40836465	3268203	37568262	25380086	2252974	23127112
2022110	116382	1905728	1576092	164255	1411837	2026868	228394	1798474
21331197	1466192	19865005	37471101	2859451	34611650	21353632	1684827	19668805
1042265	268754	773511	1789272	244497	1544775	1999586	339753	1659833
68393	11125	57268	882927	30168	852759	150558	14371	136187
4382776	901419	3481357	6106763	852644	5254119	6804149	1169072	5635077
703456	298748	404708	870861	429484	441377	824135	319678	504457
17667260	741926	16925334	31591977	1340350	30251627	45240086	1111812	44128274
6120598	1341303	4779295	9620395	2180011	7440384	16059521	2764582	13294939
12297	1921	10376	37144	700	36444	43168	3343	39825
711836	91781	620055	712765	64516	648249	2098716	68898	2029818
104845	103796	1049	129538	114607	14931	39704	35112	4592
9763	791	8972	11907	756	11151	16241	371	15870
32506	3677	28829	92326	4986	87340	80682	6049	74633
101081	10693	90388	174459	28632	145827	331118	9194	321924



## 26. PRICES AND TARIFFS

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This section contains statistical data related to the level and indices of prices (tariffs) for goods and services in the consumer market, as well as for the products of industrial branches.

In this section of the handbook information for 2014 is given without account to data on the Crimean Federal District.

**System of price indices** compiled by the state statistical bodies comprises indices of prices and tariffs for goods and services in consumer markets, producer prices for industrial and agricultural goods, for purchase of selected types of goods by industrial organizations, aggregate price index for investment purpose products (expenditures, services), tariffs for freight shipment, prices for basic energy resources purchased by industrial organizations. These indices are computed using the data on prices and tariffs for representative goods and commodities (services) collected within sample surveys of enterprises of all types and forms of ownership.

**Consumer price index** shows time series of prices for goods and services purchased by the consumers for unproductive consumption. It measures a ratio of the value of fixed basket of goods and services at the prices of current period as related to its value at the base period prices.

Price indices are calculated monthly using statistical data collected while observing price changes in retail trade and service establishments and also in commodity, mixed and food markets both in stationary trade enterprises, and in mobile trade (stalls, kiosks, booths, etc.) as well as data on actual consumer expenditures of households.

Consumer price index is one of the key indicators characterizing inflationary processes in the economy.

**Prices indices in primary and secondary market of dwellings** are calculated using registered prices for newly built dwellings and for the dwellings of existing private housing stock if they are objects of market bargains.

The observation is being carried out for selected organizations dealing with real estate business in territorial centres and big cities of the constituent entities of the Russian Federation. When registering prices for dwellings their quantity and quality characteristics are taken into account. The average prices for the Russian Federation are computed on the basis of the average prices for constituent entities



of the Russian Federation. Data on the number of total floor space of flats (apartments) sold separately in primary and secondary market of dwellings, accumulated for the previous year, is used as weight factor.

**Producer price indices for industrial goods** are compiled using prices for representative goods and services produced by 10 thousand basic (key) organizations. Average prices and price index are calculated for more than 1100 representative goods and services. Producer prices are the prices at time of registration for products produced and shipped (services rendered) for sale on domestic market (except indirect tax - value added tax, excise etc). Producer price indices calculated for representative goods (commodities) and services shall be gradually aggregated into indices of the corresponding types, kinds, classes, sections of economic activities. Data on the volume of shipment in value terms for the base period are being used as weight factor.

**Price indices for selective types of products purchased by industrial organizations** are calculated using price for representative-products of the established nomenclature. Average acquisition price includes, the price of production, value added tax, excise taxes and other tax, transport, sale, intermediary and other expenditures. Compilation of acquisition price indices is carried out by comparable range of products for reporting and base periods and envisages the system of weighting using the data on the products purchased during the previous year.

**Producer price indices of agricultural products** are computed using prices in selected for observation agricultural enterprises for main types of representative goods sold to procurement organizations, processing companies, in market, through own trade outlets, at fairs, to households directly from transport means, in exchanges and auctions, to organizations, commercial structures, etc.

Producer prices for agricultural products are given with due regard to increments and reductions for the quality of sold produce excluding the expenses connected with transportation, dispatch, loading and unloading of products and also value added tax.

**Aggregate price index for investment purpose products (expenditures, services)** is calculated as aggregated indicator of production price index for construction products, purchasing machinery and equipment for investment purpose and other investment



purpose products (expenditures, services) weighted by the share of these elements in the total volume of investments in fixed capital.

**Producer price index for construction products** – comprises of price indices for construction and installation and other costs included in summary construction estimate, weighted by the share of these elements in the total volume of investments in dwellings, buildings and structures. Price index for construction and installation is compiled using prices for materials, parts and constructions purchased by basic contractors, and also on the basis of technological models developed by economic activity with due regard for local peculiarities of construction.

**Price index for acquisition of investment purpose machinery and equipment** is derived from data on changes in producer prices for that equipment, and transport charges, rate of tax and other costs.

**Price index for other investment purpose products (expenditures, services)** is compiled using price indices for the basic components of those works (design and survey, test drilling and boring, costs for cultivating draft animals, productive and breeding stocks, and other costs).

**Freight tariff index** determines current changes in freight tariffs, irrespective of the changes in the structure of cargo shipped considering multilateral properties such as consignment type, size of deliveries, speed of delivery, distances for the freight shipments, territory of transportation, rolling stock type, freight carrying capacity and its use, etc.

Aggregated freight tariff index is compiled as aggregate index of freight tariff rates by different modes of transport (rail road, pipelines, sea, inland water and air transport). Tariffs of representative services are registered for each mode of transport. The representative service is measured by the cost of shipping one ton of bulk cargo by the definite mode of transport over a fixed distance. Collection of tariffs is done by sample survey of transport organizations. Revenues from a particular transport mode for shipping cargo during a base period are taken as weights.



**26.1. PRICE INDICES FOR BRANCHES OF THE ECONOMY**

(December to December of previous year; percent )

	2000	2005	2010	2012	2013	2014	2015	2016
Consumer price index	120.2	110.9	108.8	106.6	106.5	111.4	112.9	105.4
Industrial producer price index	131.9	113.4	116.7	105.1	103.7	105.9	110.7	107.4
Agricultural producer price index	122.2	103.0	123.6	110.8	102.7	114.1	108.5	101.8
Aggregate price index for investment purpose products (expenditures, services)	135.9	112.1	109.1	106.9	104.9	107.2	110.3	103.2
of which producer price index for construction products	140.5	115.8	109.6	108.3	104.3	104.6	104.1	106.6
Freight tariff index	151.5	116.6	133.1	107.5	108.0	100.9	111.5 <sup>1)</sup>	105.6

<sup>1)</sup> Excluding data on the Crimean federal district.**LEVEL AND TRENDS IN PRICES  
IN CONSUMER MARKET****26.2. CONSUMER PRICE INDICES (TARIFF)  
FOR PRODUCTS AND SERVICES**

(percent )

	All products and services	of which		
		food products <sup>1)</sup>	non-food products	services
		<b>Of previous month</b>		
<b>2000</b>				
January	102.3	102.2	102.2	103.4
February	101.0	100.5	101.3	103.0
March	100.6	100.1	101.4	101.5
April	100.9	100.3	101.5	102.1
May	101.8	102.2	101.1	101.3
June	102.6	103.3	100.8	103.0
July	101.8	101.8	100.8	103.8
August	101.0	100.3	101.4	103.0
September	101.3	100.6	102.1	102.8
October	102.1	102.1	101.9	102.4
November	101.5	101.5	101.5	101.6
December	101.6	101.9	101.2	101.6



Continued table 26.2

	All products and services	of which		
		food products <sup>1)</sup>	non-food products	services
<b>2005</b>				
January	102.6	101.4	100.4	108.8
February	101.2	101.4	100.4	102.2
March	101.3	102.1	100.4	101.2
April	101.1	101.7	100.5	100.8
May	100.8	101.1	100.4	100.8
June	100.6	100.7	100.3	100.9
July	100.5	100.3	100.4	100.9
August	99.9	99.0	100.5	100.8
September	100.3	99.3	101.1	100.9
October	100.6	100.4	100.7	100.7
November	100.7	100.9	100.6	100.6
December	100.8	101.1	100.5	100.8
<b>2010</b>				
January	101.6	101.4	100.2	103.9
February	100.9	101.3	100.3	101.0
March	100.6	101.0	100.4	100.4
April	100.3	100.3	100.3	100.2
May	100.5	100.7	100.4	100.4
June	100.4	100.5	100.2	100.4
July	100.4	100.3	100.3	100.6
August	100.6	100.9	100.4	100.3
September	100.8	101.6	100.6	100.0
October	100.5	100.7	100.6	100.0
November	100.8	101.4	100.7	100.2
December	101.1	102.1	100.5	100.4
<b>2012</b>				
January	100.5	100.8	100.4	100.2
February	100.4	100.7	100.3	100.0
March	100.6	100.8	100.5	100.4
April	100.3	100.2	100.4	100.3
May	100.5	100.6	100.4	100.7
June	100.9	101.6	100.2	100.8
July	101.2	101.1	100.3	102.7
August	100.1	99.5	100.4	100.6
September	100.6	100.1	100.7	101.0
October	100.5	100.5	100.7	100.1
November	100.3	100.5	100.4	100.0
December	100.5	100.9	100.3	100.4



Continued table 26.2

	All products and services	of which		
		food products <sup>1)</sup>	non-food products	services
<b>2013</b>				
January	101.0	101.8	100.4	100.6
February	100.6	100.8	100.4	100.4
March	100.3	100.4	100.4	100.2
April	100.5	100.7	100.4	100.5
May	100.7	101.0	100.3	100.8
June	100.4	100.5	100.2	100.6
July	100.8	100.0	100.1	103.1
August	100.1	99.3	100.5	100.9
September	100.2	100.0	100.5	100.1
October	100.6	101.1	100.5	99.9
November	100.6	100.9	100.4	100.2
December	100.5	100.8	100.2	100.6
<b>2014</b>				
January	100.6	101.0	100.3	100.5
February	100.7	101.2	100.4	100.4
March	101.0	101.8	100.7	100.5
April	100.9	101.3	100.6	100.7
May	100.9	101.5	100.5	100.8
June	100.6	100.7	100.4	100.9
July	100.5	99.9	100.4	101.4
August	100.2	99.7	100.5	100.7
September	100.7	101.0	100.6	100.3
October	100.8	101.2	100.6	100.6
November	101.3	102.0	100.6	101.2
December	102.6	103.3	102.3	102.2
<b>2015</b>				
January	103.9	105.7	103.2	102.2
February	102.2	103.3	102.1	100.8
March	101.2	101.6	101.4	100.3
April	100.5	100.3	100.9	100.0
May	100.4	100.1	100.5	100.5
June	100.2	99.6	100.3	101.0
July	100.8	99.7	100.5	103.0
August	100.4	99.3	100.8	101.3
September	100.6	100.4	101.1	100.0
October	100.7	101.0	101.0	99.9
November	100.8	101.2	100.7	100.2
December	100.8	101.2	100.4	100.7





Continued table 26.2

	All products and services	of which		
		food products <sup>1)</sup>	non-food products	services
<b>2016</b>				
January	101.0	101.2	100.7	101.0
February	100.6	100.7	100.8	100.3
March	100.5	100.4	100.8	100.1
April	100.4	100.4	100.6	100.3
May	100.4	100.4	100.4	100.5
June	100.4	100.1	100.5	100.6
July	100.5	100.0	100.4	101.7
August	100.0	99.4	100.4	100.3
September	100.2	99.9	100.6	100.1
October	100.4	100.8	100.5	99.7
November	100.4	100.7	100.4	100.0
December	100.4	100.6	100.3	100.3
	<b>Of December of previous year</b>			
<b>2000</b>				
January	102.3	102.2	102.2	103.4
February	103.4	102.6	103.5	106.4
March	104.1	102.7	105.0	108.0
April	105.0	103.0	106.5	110.3
May	106.8	105.3	107.7	111.8
June	109.5	108.7	108.6	115.2
July	111.5	110.6	109.5	119.5
August	112.6	110.9	111.0	123.1
September	114.1	111.6	113.3	126.5
October	116.5	114.0	115.4	129.5
November	118.2	115.7	117.1	131.6
December	120.2	117.9	118.5	133.7
<b>2005</b>				
January	102.6	101.4	100.4	108.8
February	103.9	102.8	100.7	111.2
March	105.3	104.9	101.1	112.6
April	106.5	106.7	101.6	113.5
May	107.3	107.9	102.1	114.4
June	108.0	108.6	102.4	115.4
July	108.5	108.9	102.8	116.5
August	108.3	107.8	103.4	117.4
September	108.6	107.1	104.5	118.5
October	109.2	107.5	105.2	119.3
November	110.0	108.4	105.9	120.0
December	110.9	109.6	106.4	121.0



Continued table 26.2

	All products and services	of which		
		food products <sup>1)</sup>	non-food products	services
<b>2010</b>				
January	101.6	101.4	100.2	103.9
February	102.5	102.7	100.5	105.0
March	103.2	103.8	100.9	105.4
April	103.5	104.1	101.3	105.6
May	104.0	104.8	101.7	106.0
June	104.4	105.4	101.9	106.4
July	104.8	105.7	102.2	107.0
August	105.4	106.6	102.5	107.3
September	106.2	108.4	103.1	107.4
October	106.8	109.1	103.8	107.4
November	107.6	110.6	104.5	107.6
December	108.8	112.9	105.0	108.1
<b>2012</b>				
January	100.5	100.8	100.4	100.2
February	100.9	101.5	100.8	100.2
March	101.5	102.3	101.2	100.6
April	101.8	102.5	101.7	100.9
May	102.3	103.1	102.0	101.5
June	103.2	104.7	102.3	102.3
July	104.5	105.9	102.6	105.1
August	104.6	105.4	103.0	105.7
September	105.2	105.5	103.7	106.7
October	105.6	106.1	104.4	106.8
November	106.0	106.5	104.9	106.8
December	106.6	107.5	105.2	107.3
<b>2013</b>				
January	101.0	101.8	100.4	100.6
February	101.5	102.6	100.9	101.0
March	101.9	103.0	101.3	101.2
April	102.4	103.7	101.6	101.6
May	103.1	104.7	101.9	102.4
June	103.5	105.2	102.1	103.1
July	104.4	105.2	102.2	106.2
August	104.5	104.4	102.7	107.1
September	104.7	104.4	103.3	107.3
October	105.3	105.5	103.8	107.2
November	105.9	106.5	104.2	107.4
December	106.5	107.3	104.5	108.0

## 26. PRICES AND TARIFFS

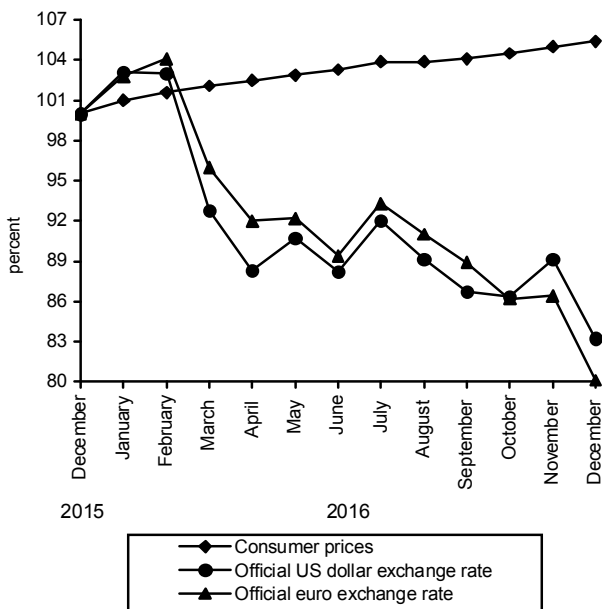
Continued table 26.2

	All products and services	of which		
		food products <sup>1)</sup>	non-food products	services
<b>2014</b>				
January	100.6	101.0	100.3	100.5
February	101.3	102.2	100.7	100.9
March	102.3	104.0	101.4	101.4
April	103.2	105.4	102.0	102.1
May	104.2	106.9	102.5	102.9
June	104.8	107.6	102.9	103.7
July	105.3	107.6	103.3	105.2
August	105.6	107.3	103.8	105.9
September	106.3	108.4	104.3	106.2
October	107.1	109.6	105.0	106.8
November	108.5	111.8	105.7	108.0
December	111.4	115.4	108.1	110.5
<b>2015</b>				
January	103.9	105.7	103.2	102.2
February	106.2	109.1	105.3	103.0
March	107.4	110.9	106.8	103.3
April	107.9	111.2	107.8	103.4
May	108.3	111.3	108.4	103.9
June	108.5	110.8	108.7	104.9
July	109.4	110.5	109.2	108.0
August	109.8	109.8	110.0	109.4
September	110.4	110.2	111.2	109.4
October	111.2	111.4	112.3	109.3
November	112.1	112.7	113.2	109.5
December	112.9	114.0	113.7	110.2
<b>2016</b>				
January	101.0	101.2	100.7	101.0
February	101.6	101.9	101.5	101.4
March	102.1	102.3	102.3	101.4
April	102.5	102.7	102.9	101.7
May	102.9	103.1	103.3	102.2
June	103.3	103.2	103.8	102.7
July	103.9	103.2	104.2	104.4
August	103.9	102.6	104.6	104.8
September	104.1	102.4	105.2	104.8
October	104.5	103.2	105.8	104.6
November	105.0	104.0	106.2	104.6
December	105.4	104.6	106.5	104.9

<sup>1)</sup> Including alcoholic beverages.



**26.3. CONSUMER PRICE INDEX AND CHANGE OF OFFICIAL EXCHANGE RATES OF FOREIGN CURRENCIES TO RUSSIAN ROUBLE in 2016**  
(end of month; to December 2015)



**26.4. CONSUMER PRICE INDICES  
FOR SELECTED GROUPS OF FOOD PRODUCTS**

(December to December of previous year; percent; 1992 - in times)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Food products</b>	<b>26.3</b>	<b>117.9</b>	<b>109.6</b>	<b>112.9</b>	<b>107.5</b>	<b>107.3</b>	<b>115.4</b>	<b>114.0</b>	<b>104.6</b>
Meat and poultry	19.3	128.3	118.6	105.3	108.3	97.0	120.1	104.3	101.6
Sausages and products of meat and poultry	24.5	123.8	110.1	105.5	107.0	104.4	118.0	110.9	103.9
Canned meat	17.5	108.7	114.4	105.3	106.9	105.0	118.4	122.9	104.2
Fish products	32.1	128.4	113.1	104.6	102.8	107.0	118.0	122.9	108.6
Butter	42.8	104.1	108.2	123.3	103.0	118.6	114.5	110.6	120.5
Sunflower oil	35.7	90.7	102.1	127.6	103.4	97.0	105.0	137.2	103.4
Milk and dairy products	49.4	121.1	110.5	116.7	104.4	113.1	114.4	111.5	109.5
Cheese	35.8	113.6	112.0	119.9	101.1	118.0	118.2	108.7	109.9
Eggs	19.5	111.7	86.1	113.2	105.1	128.8	104.6	109.8	99.3
Granulated sugar	55.3	170.7	99.9	122.5	106.0	102.6	140.0	112.9	94.0
Confectionery	38.0	109.9	106.4	106.6	106.1	105.9	110.9	124.2	106.9
Bread and bakery products	44.3	116.5	103.0	107.6	112.0	108.0	107.5	113.2	105.9
Groats and beans	39.7	83.6	100.2	158.8	93.0	103.2	134.6	115.5	106.4
Pasta products (macaroni)	35.9	108.4	101.9	104.7	107.6	104.7	108.4	119.5	104.5
Alcoholic beverages	24.7	125.0	107.6	108.3	112.1	114.6	113.7	110.7	106.4



**26.5. CONSUMER PRICE INDICES**  
**FOR SELECTED GROUPS OF NON-FOOD PRODUCTS**  
 (December to December of previous year; percent; 1992 - in times)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
<b>Non-food products</b>	<b>26.7</b>	<b>118.5</b>	<b>106.4</b>	<b>105.0</b>	<b>105.2</b>	<b>104.5</b>	<b>108.1</b>	<b>113.7</b>	<b>106.5</b>
Cotton fabrics	14.9	119.0	104.3	112.9	108.2	107.4	109.0	122.9	108.4
Wool fabrics	6.6	125.1	105.9	104.2	103.8	105.3	108.1	123.7	107.4
Silk fabrics	10.2	119.8	105.2	103.4	104.1	104.8	107.3	119.1	107.6
Clothing	11.3	122.9	107.5	107.1	105.5	104.7	106.2	112.6	107.2
Upper knitwear	8.0	123.0	108.3	107.2	104.9	104.3	105.5	111.2	106.7
Knitted underwear	9.6	122.2	109.4	109.0	106.2	104.8	107.9	117.2	109.2
Hosiery	15.0	115.1	107.0	105.5	105.2	103.9	106.8	114.2	107.3
Leather, textile and combined footwear	17.7	124.7	106.3	106.1	104.6	104.5	105.7	115.1	109.2
Detergents	32.3	102.0	106.4	104.0	107.3	104.6	109.2	122.4	106.3
Perfumery	14.9	111.5	106.3	104.5	106.4	104.9	108.3	121.8	109.4
Haberdashery	26.3	120.8	106.3	106.3	105.6	105.2	107.3	116.6	108.8
Tobacco products	36.8	103.6	105.3	119.5	122.6	129.3	127.1	126.6	117.8
TV and radio sets	19.7	109.2	99.2	98.2	98.9	99.8	115.8	109.8	100.2
Electrical appliances	34.6	112.6	103.0	101.2	102.3	102.1	117.9	116.8	105.7
Building materials	29.6	126.4	109.1	104.6	105.1	102.5	104.8	110.4	105.8
Furniture	24.9	114.4	108.0	103.9	105.0	103.6	106.4	109.6	103.3
Watches and clocks	13.9	120.7	106.6	106.1	106.8	104.8	109.4	115.1	107.3
Jewellery	14.9	112.0	107.0	116.9	109.7	103.1	105.3	122.9	109.0
Gasoline	79.2	125.7	115.8	106.5	106.8	105.7	108.9	104.8	103.8

**26.6. CONSUMER PRICE INDICES (TARIFF)  
FOR SELECTED GROUPS OF SERVICES**  
(December to December of previous year; percent)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Services</b>	<b>133.7</b>	<b>121.0</b>	<b>108.1</b>	<b>107.3</b>	<b>108.0</b>	<b>110.5</b>	<b>110.2</b>	<b>104.9</b>
Personal services	121.8	115.3	106.0	107.4	107.6	106.1	107.9	105.1
Passenger transport services	134.8	115.8	108.7	106.9	108.9	107.3	110.7	106.6
Communication services	130.7	109.1	102.2	101.7	102.2	101.3	102.9	103.7
Housing and public utilities services	142.6	132.7	113.0	109.4	109.8	109.4	110.1	105.4
housing	138.6	136.1	107.9	107.5	105.4	119.0	112.1	105.5
public utilities	144.7	131.5	115.3	110.4	111.2	105.3	109.1	105.3
Child care in pre-school establishments	116.7	132.1	107.7	106.4	109.9	115.6	116.8	109.3
Cultural organizations services	140.2	117.7	108.6	108.8	110.5	109.9	107.2	105.8
Excursions	126.0	115.5	104.8	108.8	115.0	113.4	107.1	107.6
Sanatoria, resorts and health care services	134.7	111.2	105.4	105.9	105.7	107.6	114.4	107.3
Medical services	122.9	118.7	108.4	108.6	109.0	109.2	111.1	107.8
Physical culture and sports services	131.9	118.6	107.2	107.4	106.0	105.1	104.8	104.7
Judicial services	103.8	100.1	112.0	108.9	107.8	110.5	116.0	111.4



**26.7. AVERAGE CONSUMER PRICES  
FOR SELECTED FOOD PRODUCTS**  
(end of year; rouble per kg; 1992 - thou. rouble)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Beef (excluding boneless beef)	0.22	52.72	115.77	197.64	248.47	244.55	272.28	314.94	315.02
Pork (excluding boneless pork)	0.26	58.45	131.64	198.35	220.09	214.18	272.36	271.08	264.32
Chicken chilled and frozen <sup>1)</sup>	0.19	48.80	81.35	105.14	117.26	107.03	136.14	133.73	138.49
Sausage boiled <sup>2)</sup>	0.27	77.97	142.85	235.96	288.23	302.94	310.54	344.81	351.27
Canned beef, pork stewed, per one conventional can, 350 g of weight	0.16	19.52	37.01	63.79	75.22	79.33	94.42	117.04	121.37
Frozen fish, whole <sup>3)</sup>	0.13	29.54	55.76	79.22	85.67	90.79	110.65	138.16	147.68
Salted fish of special brine pickled, smoked	0.27	61.22	130.65	215.55	247.61	252.52	292.21	352.58	382.54
Canned fish with oil additives, per one conventional can, 350 g of weight	0.12	21.15	30.79	51.46	57.76	60.50	70.12	91.94	103.94
Butter <sup>4)</sup>	0.41	69.12	102.42	239.55	260.84	308.92	357.54	397.75	477.13
Sunflower oil <sup>5)</sup>	0.19	23.20	40.06	72.60	78.51	75.47	78.09	107.62	110.10
Whole milk pasteurized, fat status 2.5-3.2%, per liter <sup>6)</sup>	0.02	9.70	17.35	31.99	33.88	38.64	43.81	47.61	51.44
Rennet cheeses, hard and soft	0.42	85.17	138.72	263.20	272.57	326.89	388.81	418.61	461.71
Eggs, for ten pc.	0.09	16.57	24.50	38.56	43.34	56.01	58.76	65.02	64.17
Granulated sugar	0.14	15.62	19.69	40.62	31.58	32.32	44.97	52.14	48.78
Black tea, high grade	1.14	144.19	193.61	348.21	391.06	422.62	496.40	685.73	759.21
Wheat flour	0.05	8.08	11.91	21.45	25.19	26.83	29.46	32.78	33.27





Continued table 26.7

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Bread and bakery of high grade wheat flour	0.04	12.19	22.24	42.60	50.51	55.11	58.75	64.80	67.61
Rice hulled	0.09	13.03	21.36	42.14	39.80	43.51	53.03	67.87	63.98
Pasta products of high grade wheat flour	0.07	17.52	25.68	47.77	48.87	50.67	55.18	66.01	68.41
Potatoes	0.03	5.19	9.72	28.94	16.07	23.18	26.66	19.91	20.25
White cabbages, fresh	0.03	4.75	10.21	28.22	15.65	17.30	25.55	22.68	17.96
Onions	0.03	6.11	12.77	27.41	16.70	21.36	26.47	24.64	21.28
Apples	0.11	22.02	36.87	62.37	62.54	63.26	76.70	87.43	81.92
Vodka, 40% and over <sup>7)</sup> , per liter	0.50	84.05	148.89	230.22	315.45	406.51	547.02	559.21	583.00
Cognac (brandy). ordinary, domestic production <sup>8)</sup> , per liter	1.43	308.51	557.90	817.02	920.54	1012.29	1139.95	1261.25	1321.94
Sparkling wine produced in Russia <sup>9)</sup> , per liter	1.16	93.38	124.39	183.93	221.88	235.28	253.64	283.72	306.22
Beer, domestic production, per liter	0.06	20.06	31.00	56.14	69.00	77.18	87.37	98.36	105.68

Prices were registered for the following food products:

<sup>1)</sup> in 1992 – poultry meat;

<sup>2)</sup> in 2000 – 2013 – sausage boiled, highest grade;

<sup>3)</sup> in 1992 – frozen fish (excluding delicatessen);

<sup>4)</sup> in 1992 – butter;

<sup>5)</sup> in 1992 – vegetable oil;

<sup>6)</sup> in 2005 – whole milk pasteurized, fat status 2.5-3.2%;

<sup>7)</sup> in 1992 – vodka; in 2000–2013 – vodka, 40% and over, ordinary;

<sup>8)</sup> in 1992 – cognac;

<sup>9)</sup> in 1992 – champagne.



**26.8. THE RELATIONSHIP BETWEEN CONSUMER PRICES  
FOR BASIC FOOD PRODUCTS AND THE PRICE OF BEEF <sup>1)</sup>**

(end of year ; percent)

	1992	2000	2005	2010	2012	2013	2014	2015	2016
Beef (excluding boneless beef)	100	100	100	100	100	100	100	100	100
Frozen fish, whole	59	56	48	40	34	37	41	44	47
Butter	186	131	88	121	105	126	131	126	151
Sunflower oil	86	44	35	37	32	31	29	34	35
Whole milk pasteurized, fat status 2.5–3.2%	10	18	15	16	14	16	16	15	16
Eggs	39	31	21	20	17	23	22	21	20
Granulated sugar	61	30	17	21	13	13	17	17	15
Bread and bakery of high grade wheat flour	20	23	19	22	20	23	22	21	21
Rice hulled	39	25	18	21	16	18	19	22	20
Pasta products of high grade wheat flour	34	33	22	24	20	21	20	21	22
Potatoes	16	10	8	15	6	9	10	6	6
White cabbages, fresh	12	9	9	14	6	7	9	7	6
Onions	16	12	11	14	7	9	10	8	7
Apples	48	42	32	32	25	26	28	28	26
Vodka, 40% and over	226	159	129	116	127	166	201	178	185

<sup>1)</sup> Prices are given for 1 kg, liter, ten pieces.



**26.9. AVERAGE CONSUMER PRICES  
FOR SELECTED NON-FOOD PRODUCTS**

(end of year; rouble for piece; 1992 – thou. rouble)

	1992	2000	2005	2010	2013	2014	2015	2016
Women's overcoat (demi-season) of wool or semi-wool fabrics	8.84	3040.25	4157.19	5998.20	7250.33	7776.88	8816.28	9561.50
Men's suits, two-pieces, of wool, semi-wool or mixed fabric <sup>1)</sup>	6.58	1824.78	3281.77	5143.97	6319.67	6772.70	7837.68	8402.89
Men's shirt of cotton or mixed fabric	0.80	226.76	392.86	674.80	868.39	942.07	1116.85	1252.04
Women's skirt of demi-wool or mixed fabrics <sup>2)</sup>	1.50	418.59	846.62	1442.42	1738.30	1835.16	2023.78	2110.36
Men's jumper <sup>3)</sup>	4.56	448.48	855.39	1373.95	1630.21	1722.50	1885.11	1996.16
Men's socks of cotton or mixed fabrics, for pair	0.07	20.24	33.99	52.04	60.92	63.94	72.28	78.24
Women's tights, elastic, 15-20 DEN <sup>4)</sup>	0.15	32.52	51.25	98.62	124.03	133.39	154.82	167.44
Men's leather shoes, for pair	4.88	914.62	1559.48	2250.88	2643.30	2818.99	3344.92	3708.35
Women's leather boots with a warm lining, for pair	10.83	1838.87	2685.49	4091.76	4922.32	5327.88	6272.06	6923.50
Stationary colour TV set	75.72	6656.92	7601.63	11400.39	15144.74	19047.78	22529.29	22999.51

Prices were registered for the following non-food products:

<sup>1)</sup> in 1992, 2000, 2005 – men's suits, two-pieces, of wool, semi-wool;

<sup>2)</sup> in 2000 – women's skirt of wool or semi-wool fabrics;

<sup>3)</sup> in 1992 – jumper, sweater, jacket for adult;

<sup>4)</sup> in 1992 – women's tights.



**26.10. AVERAGE CONSUMER PRICES (TARIFFS)  
FOR SELECTED SERVICES**  
(end of year ; rouble per one type of services rendered)

	2000	2005	2010	2012	2013	2014	2015	2016
City bus fare, for one trip	2.62	6.58	12.90	15.88	17.20	17.50	19.76	21.03
Long distance railroad second class ticket, per 100 km	29.00	117.91	240.08	250.56	270.90	275.30	313.62	300.73
Household telephone line, monthly rent	52.63	189.15	348.76	397.02	417.01	422.98	430.75	434.85
Rent for apartment in state and municipal dwellings, per one sq. m of total floor space	1.30	7.50	14.28	17.83	19.34	21.98	24.84	25.92
Cold water supply and sewerage, monthly per person	15.86	94.11	212.98	261.29	271.00	...	...	...
Cold water supply, per cu. m	...	...	...	19.39	21.02	21.42	23.64	25.04
Sewerage, per cu. m	...	...	...	14.51	16.25	17.01	18.90	20.24
Heating, per sq. m of floor space	1.61	9.77	21.03	24.86	27.98	...	...	...
Heating, per Gcal	...	...	...	...	1398.66	1490.71	1649.18	1735.87
Gas (pipe line), monthly per person	5.66	18.08	43.81	55.36	63.63	63.89	67.56	68.24
Gas (pipe line), per cu. m	...	...	...	...	...	5.16	5.51	5.65
Electricity supply, dwellings without electric-stove, established social norm of consumption <sup>1)</sup> , per 100 kWh	39.16	110.62	232.03	269.02	302.64	314.95	333.42	359.02
Kindergarten (crèche), for one baby/child/day	9.19	26.53	54.86	61.66	67.30	76.55	85.19	93.12

<sup>1)</sup> In 2005 – 2013 – electricity supply in dwellings without electric-stove.



## PRICES AND TRENDS IN HOUSING STOCK MARKET

### 26.11. PRICE INDICES IN PRIMARY MARKET OF DWELLING IN FEDERAL DISTRICTS OF THE RUSSIAN FEDERATION

(end of period; percent of end of previous period)

	1998	2000	2005	2010	2013	2014	2015	2016
<b>Russian Federation</b>	<b>156.9</b>	<b>113.1</b>	<b>117.5</b>	<b>100.3</b>	<b>104.8</b>	<b>105.7</b>	<b>99.7<sup>1)</sup></b>	<b>99.6</b>
by federal districts:								
Central	154.2	105.1	113.8	100.8	106.7	107.5	100.7	100.0
North West	177.3	112.0	109.3	99.2	99.8	102.3	98.6	105.9
South <sup>2)</sup>	120.6	106.7	122.1	100.4	102.3	105.5	100.9	99.6
North-Caucasian	...	106.1	108.3	101.4	103.5	106.1	105.2	96.5
Privolzhsky (Volga)	142.6	124.6	121.5	99.6	105.5	106.4	101.4	96.3
Urals	153.9	120.6	133.5	100.3	102.4	105.7	95.9	97.5
Siberian	117.6	121.6	126.4	100.1	106.8	104.6	97.1	98.4
Far East	141.5	116.1	127.4	99.5	103.8	102.2	103.4	101.3

<sup>1)</sup> Excluding data on the Crimean federal district.<sup>2)</sup> 1998 – including North-Caucasian federal district. 2014-2016 - excluding data on the Republic of Crimea and the city of Sevastopol.

### 26.12. PRICE INDICES IN SECONDARY MARKET OF DWELLING IN FEDERAL DISTRICTS OF THE RUSSIAN FEDERATION

(end of period; percent of end of previous period)

	1998	2000	2005	2010	2013	2014	2015	2016
<b>Russian Federation</b>	<b>191.3</b>	<b>116.3</b>	<b>118.0</b>	<b>102.7</b>	<b>103.6</b>	<b>105.1</b>	<b>96.8<sup>1)</sup></b>	<b>97.0</b>
by federal districts:								
Central	173.6	106.2	115.0	105.0	100.4	105.4	98.2	97.5
North West	265.0	114.4	108.0	98.0	101.3	106.5	96.2	99.2
South <sup>2)</sup>	169.7	109.1	121.8	101.0	104.1	102.9	103.0	98.5
North-Caucasian	...	115.3	111.0	96.8	104.3	108.6	101.8	101.3
Privolzhsky (Volga)	173.4	127.3	120.0	102.0	107.4	105.4	98.1	96.4
Urals	180.7	123.8	130.6	100.0	104.6	104.9	93.7	95.2
Siberian	156.7	121.1	123.9	102.0	105.1	105.5	93.9	95.9
Far East	195.6	118.2	121.6	103.4	100.7	103.0	99.7	98.9

<sup>1)</sup> Excluding data on the Crimean federal district.<sup>2)</sup> 1998 – including North-Caucasian federal district. 2014-2016 - excluding data on the Republic of Crimea and the city of Sevastopol.

**26.13. AVERAGE PRICES IN PRIMARY MARKET OF DWELLING  
IN FEDERAL DISTRICTS OF THE RUSSIAN FEDERATION**  
(end of period; thou. roubles per sq. m of total floor space)

	1998	2000	2005	2010	2013	2014	2015	2016
<b>Russian Federation</b>	<b>5050</b>	<b>8678</b>	<b>25394</b>	<b>48144</b>	<b>50208</b>	<b>51714</b>	<b>51530</b>	<b>53287</b>
by federal districts:								
Central	6116	11108	34773	63592	59697	58361	58615	63903
North West	6445	8671	24442	55199	65600	68647	67061	74441
South <sup>1)</sup>	4250	6954	19308	39269	40715	42182	43273	43003
North-Caucasian	...	5247	14347	29123	31370	32643	35868	34556
Privolzhsky (Volga)	4357	7156	17852	36642	43094	45764	45800	43413
Urals	4314	6230	23410	43556	50091	54541	51821	48868
Siberian	3673	5482	21210	35790	44689	47450	47018	45206
Far East	7091	7988	26356	48028	58950	62140	64777	66430

<sup>1)</sup> 1998 – including North-Caucasian federal district. 2014-2016 - excluding data on the Republic of Crimea and the city of Sevastopol.

**26.14. AVERAGE PRICES IN SECONDARY MARKET OF DWELLING  
IN FEDERAL DISTRICTS OF THE RUSSIAN FEDERATION**  
(end of period; thou. roubles per sq. m of total floor space)

	1998	2000	2005	2010	2013	2014	2015	2016
<b>Russian Federation</b>	<b>4941</b>	<b>6590</b>	<b>22166</b>	<b>59998</b>	<b>56478</b>	<b>58085</b>	<b>56283</b>	<b>53983</b>
by federal districts:								
Central	5610	8375	28672	98606	84174	87041	79213	73380
North West	7038	6732	22833	61606	54337	56118	52520	53043
South <sup>1)</sup>	4637	5735	18218	47326	49714	51832	52575	53131
North-Caucasian	...	4138	13894	31469	31394	32178	37515	39274
Privolzhsky (Volga)	4610	6206	17914	36988	48652	50789	50201	48613
Urals	3978	5912	22656	41225	54748	58935	57571	54328
Siberian	3591	5327	20024	39116	47751	51174	48224	45308
Far East	4959	5858	20351	47908	67472	71147	72829	69301

<sup>1)</sup> 1998 – including North-Caucasian federal district. 2014-2016 - excluding data on the Republic of Crimea and the city of Sevastopol.



## LEVEL AND TRENDS OF PRODUCER PRICES

### 26.15. PRODUCER PRICE INDICES BY ECONOMIC ACTIVITY

(December to December of previous year; percent)

	2000	2005	2010	2013	2014	2015	2016
Production of industrial goods	131.9	113.4	116.7	103.7	105.9	110.7	107.4
Mining and quarrying	149.1	131.0	117.1	107.0	98.4	109.8	107.9
mining of energy producing minerals	155.7	135.3	116.1	107.7	97.0	109.8	107.6
mining except of energy producing minerals	120.3	105.9	130.9	101.0	109.9	110.0	109.9
Manufacturing	124.8	108.1	116.9	101.6	108.5	111.2	107.7
manufacture of food products and tobacco, including beverages	120.1	104.0	114.3	102.8	115.2	113.7	105.0
manufacture of textiles and textile products	119.5	104.2	113.2	102.8	106.0	113.6	106.6
manufacture of leather, leather products and footwear	126.3	105.6	110.8	100.3	108.9	118.2	113.3
manufacture of wood and wood products	129.7	107.3	108.9	104.0	103.0	109.3	104.1
manufacture of pulp, paper and paper products; publishing and printing	121.0	109.4	110.1	103.7	103.1	119.0	108.5
manufacture of coke and refined petroleum products	143.7	124.0	121.2	104.0	101.9	101.0	108.6
manufacture of chemical products	133.0	110.8	130.6	101.5	110.7	118.1	97.5
manufacture of rubber and plastics products	128.1	111.6	111.0	102.0	106.2	115.2	107.0
manufacture of other non-metallic mineral products	140.7	116.7	103.6	100.9	101.9	104.4	105.8
manufacture of basic metals and fabricated metal products	119.0	105.4	122.4	97.2	114.5	112.0	114.8



Continued table 26.15

	2000	2005	2010	2013	2014	2015	2016
manufacture of machinery and equipment	130.6	110.4	105.5	101.9	111.4	113.9	106.2
manufacture of electrical, electronic and optical equipment	120.8	106.5	109.8	100.9	106.3	110.8	106.8
Electricity, gas and water supply	141.6	112.6	113.8	108.1	104.5	109.3	105.1

**26.16. INDICES OF PRODUCER AND PURCHASE PRICES  
FOR INDUSTRIAL ORGANIZATIONS  
OF MAIN FUEL AND POWER RESOURCES**  
(end of year; percent of end of previous year)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Price indices</b>								
Coking coal								
at producer prices	149.8	119.6	152.8	69.9	84.2	98.0	132.9	179.7
at purchase prices	207.8	98.3	154.2	72.7	89.1	100.6	127.6	155.2
Coal, excluding anthracite, coking and brown coal								
at producer prices	149.6	108.9	116.7	97.8	110.1	109.5	91.7	110.4
at purchase prices	130.3	106.6	112.9	107.5	103.3	100.5	107.3	102.9
Brown coal								
at producer prices	123.5	137.9	112.7	126.9	101.0	105.9	106.0	106.5
at purchase prices	151.8	105.1	107.8	106.3	105.3	103.2	104.8	109.2
Crude oil								
at producer prices	155.9	140.9	114.7	107.1	108.0	91.6	112.8	109.6
at purchase prices	166.5	144.4	146.3	103.5	109.7	68.4	126.2	144.8
Combustible natural gas								
at producer prices	162.4	118.6	114.4	184.3	106.2	125.3	97.6	84.4
at purchase prices	126.1	119.1	114.2	112.9	116.6	99.8	106.8	100.3





Continued table 26.16

	2000	2005	2010	2012	2013	2014	2015	2016
Motor gasoline								
at producer prices	119.6	102.3	122.0	103.5	107.4	105.3	106.6	105.6
at purchase prices	137.7	116.9	105.8	105.0	106.1	108.7	104.2	100.7
Diesel fuel								
at producer prices	154.0	118.1	132.6	107.9	102.4	100.7	107.8	100.2
at purchase prices	156.2	130.9	117.1	111.0	106.1	101.9	105.0	101.5
Fuel oil (mazut)								
at producer prices	187.5	207.6	103.4	95.8	98.5	89.1	64.8	166.9
at purchase prices	184.6	151.9	102.7	101.2	99.9	95.9	75.4	142.4
Electric power								
at producer prices <sup>1)</sup>	170.7	114.7	114.7	109.4	107.5	110.1	101.3	101.7
at purchase prices	142.9	109.9	113.3	108.2	109.1	103.1	105.3	104.5
Thermal energy								
at producer prices	135.4	113.7	113.8	109.3	111.7	104.0	109.3	105.6
at purchase prices	136.4	118.2	110.3	107.2	112.7	104.6	106.4	105.7

<sup>1)</sup> Electric power of own production.

**26.17. AVERAGE PRODUCER AND PURCHASE PRICES  
OF MAIN FUEL AND POWER RESOURCES AND THEIR RATIO**  
(end of year; roubles per ton)

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Average prices</b>								
Coking coal								
at producer prices	290	787	1555	1790	1590	1440	2029	3909
at purchase prices	928	2402	5920	4523	4045	4225	5524	8524
prices ratio, in times	3.2	3.1	3.8	2.5	2.5	2.9	2.7	2.2
Coal, excluding anthracite, coking and brown coal								
at producer prices	253	453	822	1058	1283	1391	1268	1497
at purchase prices	390	792	1308	1526	1512	1591	1658	1679
prices ratio, in times	1.5	1.7	1.6	1.4	1.2	1.1	1.3	1.1
Brown coal								
at producer prices	109	278	405	595	603	638	637	673
at purchase prices	256	529	895	915	1015	1019	1114	1181
prices ratio, in times	2.3	1.9	2.2	1.5	1.7	1.6	1.7	1.8
Crude oil								
at producer prices	1546	4812	7566	10360	11328	10064	11417	12607
at purchase prices	4152	6569	11045	12797	14414	9832	12325	18180
prices ratio, in times	2.7	1.4	1.5	1.2	1.3	1.0	1.1	1.4



## 26. PRICES AND TARIFFS

Continued table 26.17

	2000	2005	2010	2012	2013	2014	2015	2016
Combustible natural gas, for 1000 cu. m								
at producer prices	86.7	330	626	1224	1301	1639	1785	1434
at purchase prices	468	1436	3081	4062	4638	4666	5205	5055
prices ratio, in times	5.3	4.4	4.9	3.3	3.6	2.8	2.9	3.5
Motor gasoline								
at producer prices	5612	9159	16699	19094	20108	20946	21995	23066
at purchase prices	8688	16984	24814	34523	35539	38496	40470	43170
prices ratio, in times	1.5	1.9	1.5	1.8	1.8	1.8	1.8	1.9
Diesel fuel								
at producer prices	5209	12000	16340	23512	22847	23587	25463	25557
at purchase prices	7528	16830	24157	34075	36275	36622	40015	39721
prices ratio, in times	1.4	1.4	1.5	1.4	1.6	1.6	1.6	1.6
Fuel oil (mazut)								
at producer prices	2244	4108	7805	8362	7717	7242	4957	7870
at purchase prices	2966	5242	12058	12716	12357	11462	70099	12431
prices ratio, in times	1.3	1.3	1.5	1.5	1.6	1.6	1.4	1.6
Electric power, for 1000 kWh								
at producer prices <sup>1)</sup>	191	451	665	859	910	1009	989	1013
at purchase prices	410	914	1539	1933	2149	2103	2189	2253
prices ratio, in times	2.1	2.0	2.3	2.2	2.4	2.1	2.2	2.2
Thermal energy, for Gcal								
at producer prices	150	361	686	818	945	1007	1093	1143
at purchase prices	195	411	757	857	964	997	1081	1197
prices ratio, in times	1.3	1.1	1.1	1.0	1.0	1.0	1.0	1.0

<sup>1)</sup> Electric power of own production.

**26.18. AGRICULTURAL PRODUCER PRICE INDICES**

(December to December of previous year; percent)

	2000	2005	2010	2013	2014	2015	2016
<b>Agriculture</b>	<b>122.2</b>	<b>103.0</b>	<b>123.6</b>	<b>102.7</b>	<b>114.1</b>	<b>108.5</b>	<b>101.8</b>
Plant-growing	124.7	93.9	138.3	96.6	107.6	124.7	97.1
Grain and grain-leguminous crops	133.2	85.9	131.4	94.5	104.3	120.3	98.9
wheat	127.7	80.2	127.8	93.1	106.3	117.6	97.4
rye	157.9	92.2	132.7	101.2	96.2	108.3	109.3
millet	139.5	93.6	118.3	105.0	105.3	112.5	93.6
buckwheat	106.1	92.9	259.1	79.8	136.3	149.0	118.9
maize	129.1	88.5	143.7	83.7	103.6	126.6	103.4
barley	150.9	101.9	143.8	99.1	96.2	123.6	100.0
grain-legumes	142.1	92.4	124.4	103.4	102.1	129.4	112.8
oats	141.4	100.3	120.5	106.4	95.4	107.8	108.7
Sunflower seeds	97.4	88.3	171.1	78.8	117.7	152.6	97.1
Sugar beet	123.9	107.3	121.1	105.6	117.0	138.1	90.9
Flax fibers	174.8	97.9	106.3	95.9	92.3	156.2	94.5
Potatoes	99.1	116.7	201.4	124.2	116.0	83.9	95.3
Vegetables fresh or chilled	119.4	128.0	147.8	111.4	99.4	109.0	94.2
tomatoes	126.7	137.0	153.4	105.0	110.2	116.0	101.3
cucumbers	130.6	122.5	121.5	113.8	90.5	107.4	93.3
onions	94.8	108.0	176.3	115.4	130.4	104.3	84.0
cabbage	110.7	137.6	212.2	104.3	130.1	107.8	78.2
carrots	94.0	128.2	167.4	111.7	110.4	103.2	99.1
beet (table)	93.6	126.1	175.5	122.7	103.5	102.4	93.3
Drupaceous fruit	123.1	94.5	134.7	126.3	116.3	114.7	98.7
Pomaceous fruit	79.4	112.5	136.7	99.7	120.9	133.2	85.7
Berries	126.3	118.6	111.9	103.0	98.2	111.8	111.9
Grapes	149.7	98.8	114.3	89.6	102.5	134.3	105.8
Melons	113.2	97.5	109.3	100.2	123.4	90.2	114.2



Continued table 26.18

	2000	2005	2010	2013	2014	2015	2016
Livestock	120.7	109.0	114.9	105.7	117.5	102.4	104.5
Livestock and poultry (live weight)	126.6	115.2	103.8	94.3	125.2	100.1	103.3
live cattle	120.8	124.4	107.9	94.0	110.8	116.1	102.5
live sheep and goats	123.4	124.4	109.5	103.8	101.9	106.6	103.4
live pigs and hogs	132.3	109.3	102.7	98.1	126.3	94.6	100.2
live poultry	130.5	111.4	102.6	92.3	128.1	101.4	105.6
Cattle milk, raw	114.0	111.4	134.7	123.9	108.7	102.9	112.0
Chicken eggs	122.6	86.2	116.1	131.7	102.6	113.7	97.6
Wool, cut, unwashed	173.9	95.7	103.5	103.2	99.9	108.0	108.6

**26.19. AVERAGE AGRICULTURAL PRODUCER PRICE INDEX**  
(average annual; roubles per ton)

	2000	2005	2010	2013	2014	2015	2016
Grain and grain- leguminous crops	2113	2519	4017	6824	6616	8684	8923
wheat	2179	2508	3867	6715	6849	8768	8837
rye	1992	2346	3411	4912	4691	5247	6149
millet	1523	1860	3832	5241	5609	7365	6439
buckwheat	4509	4581	8153	7205	8370	20137	25870
maize	2616	2388	4681	6581	5799	7853	8348
barley	1822	2560	3395	6376	5516	7344	7741
grain-legumes	3365	3216	5581	8395	8458	13069	16704
oats	1637	2488	3596	5782	4965	5493	6400
Sunflower seeds	2882	5672	10605	12024	11534	20284	21886
Sugar beet	509	965	1636	1533	1877	3072	2919
Flax fibers	7018	7537	13807	24124	22824	28116	22661
Potatoes	3710	5234	9501	9447	12898	13197	10248



## 26. PRICES AND TARIFFS

Continued table 26.19

	2000	2005	2010	2013	2014	2015	2016
Vegetables fresh or chilled	6764	15788	26546	31460	36306	45490	45234
tomatoes	12595	25902	52599	50594	57961	63168	62304
cucumbers	12436	26972	58163	56249	62025	67896	75293
onions	3878	4873	9719	7306	10595	13982	9706
cabbage	2598	5404	11029	8227	10123	15179	12217
carrots	3857	6887	11309	9812	11481	14470	12344
beet (table)	3513	5975	8298	8981	10403	13284	10672
Drupaceous fruit	4487	10521	25596	31554	31561	57150	58261
Pomaceous fruit	5181	8418	18004	21496	22679	31309	36284
Berries	12622	22379	57469	81821	75096	117431	123353
Grapes	4232	9043	15365	16457	16780	22023	24733
Melons	901	1168	2331	2881	8481	5844	5260
Livestock and poultry (live weight)	18437	41304	56720	61504	75256	85165	82672
live cattle	14142	34003	55951	72128	74405	93328	96562
live sheep and goats	12009	29199	45174	74286	70978	79685	85818
live pigs and hogs	20152	50420	69748	71675	94081	103030	93976
live poultry	20481	40813	52966	54358	63654	71275	72345
Cattle milk, raw	3633	6680	12370	15875	19614	20648	21814
Chicken eggs, per 1000 pieces	978	1712	2341	3197	3407	4171	4184
Wool, cut, unwashed	24307	24480	29485	62270	63834	69755	65912



**26.20. AGGREGATE PRICE INDICES FOR INVESTMENT PURPOSE PRODUCTS (EXPENDITURES, SERVICES**

(December to December of previous year; percent)

	2000	2005	2009	2010	2012	2013	2014	2015	2016
<b>Aggregate price indices for investment purpose products (expenditures, services)</b>	<b>135.9</b>	<b>112.1</b>	<b>100.1</b>	<b>109.1</b>	<b>106.9</b>	<b>104.9</b>	<b>107.2</b>	<b>110.3</b>	<b>103.2</b>
of which:									
producer price index for construction products	140.5	115.8	97.6	109.6	108.3	104.3	104.6	104.1	106.6
price index for acquisition of investment purpose machinery and equipment	121.2	108.2	102.8	106.1	103.9	103.1	112.3	120.1	97.8

**26.21. FREIGHT TARIFF INDICES BY MAIN TRANSPORT MODES**

(December to December of previous year; percent; 1992 - in times)

	1992	2000	2005	2010	2012	2013	2014	2015 <sup>1)</sup>	2016
<b>Cargo transport</b>	<b>35.6</b>	<b>151.5</b>	<b>116.6</b>	<b>133.1</b>	<b>107.5</b>	<b>108.0</b>	<b>100.9</b>	<b>111.5</b>	<b>105.6</b>
of which:									
railway	37.4	169.3	113.3	109.4	105.6	105.4	102.3	112.9	108.7
road	32.4	136.6	114.3	103.7	105.3	104.2	107.2	106.4	100.6
pipeline	28.0	137.4	121.5	156.1	109.6	111.0	96.5	111.2	103.6
maritime	56.5	109.3	109.4	98.9	95.3	103.3	144.1	114.4	90.1
inland water	55.6	119.2	111.0	106.7	106.3	107.5	140.0	113.5	97.8
air	34.0	112.9	114.1	104.2	108.9	103.1	105.7	107.6	120.7

<sup>1)</sup> Excluding data on the Crimean Federal District.

## 27. EXTERNAL ECONOMIC ACTIVITIES

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This section contains foreign trade statistics (according to the Balance of Payments methodology), information on foreign trade statistics (data of the Federal Customs Service) foreign trade prices.

Information on foreign trade is represented according to the Balance of Payments methodology and includes:

data of the Federal Customs Service obtained from customs freight declarations of participants of foreign trade activity including data on mutual trade with the member-states of the Eurasian Economic Union (EAEU) (the Republic of Belarus, the Republic of Kazakhstan, the Republic of Armenia, the Kyrgyz Republic) obtained from statistical reports on transferring of goods;

data of the Federal State Statistics Service on commodities, which do not cross the customs border of the Russian Federation (fish and sea products, caught and sold outside the customs territory; fuel and goods, purchased by Russian (foreign) sea transport in foreign (Russian) ports), obtained on the basis of federal statistical observation;

additional computations of the Bank of Russia to foreign trade statistics which are compiled according to the Balance of Payments methodology and include estimates of value of imported (exported) goods by individuals within the approved duty free quote and simplified (privilege) manner and other elements of additional computations.

**Balance of Payments** is a statistical report which reflects all economic transactions between residents and non-residents during a period of time. For more information visit official site of the Bank of Russia at: <http://www.cbr.ru> \ Statistics \ Macroeconomic Financial Statistics \ Balance of payments and other statistical materials developed according to the 6th Balance of Payments and International Investment Position Manual (BPM6).

**Export** – removal of commodities from the territory of the Russian Federation without guarantee of the return them back. Export includes removal from a country of domestically produced commodities and re-export of commodities. Domestically produced commodities include also those of foreign origin imported to a country and significantly repro-



cessed and as a result changed their qualitative and technical characteristics. Goods imported to the territory of the Russian Federation and then removed from its territory without payment of customs dues, taxes and application of embargo or economic restrictions, are related as re-exported commodities.

Recording of export of commodities is carried out in franco-border of the country-exporter (FOB) prices, i.e. price of a commodity includes expenditures on its transportation to land border or the shipping port of the exporting country.

**Import** – taking of commodities to the territory of the Russian Federation without guarantee of the return them removed back. Import includes commodities run for consumption in the economy of a country, brought in the territory of a state according to a re-import regime. Re-imported commodities are those moved out from the territory of the Russian Federation and then moved in this territory without payment of customs dues, taxes and application of embargo or economic restrictions.

Recording of import of commodities is carried out in franco-border prices of the country-importer (CIF), i.e. prices of commodities include expenditures on the insurance and transportation to the border of the importing country.

The share of consumer, intermediate and investment goods represents the ratio of the cost of the consumer, intermediate and investment goods to the total value of imports.

**Consumer goods** – commodities unmediatedly satisfying person's requirements and meant for family and personal consumption.

**Intermediate goods** – commodities used not for final consumption but for further production of goods and services.

**Investment goods** – serve the goal of replacement, renovation, qualitative improvement of fixed assets.

Customs statistics of foreign and mutual trade with the EAEU member states is formed on all commodities (including values, but excluding currency values in circulation) exports and imports of which in-





crease or decrease material resources of the country and do not include goods which do not cross the customs border of the Russian Federation (fish and sea products, caught and sold outside of the customs territory, fuel and goods, purchased by Russian (foreign) transportation means in foreign (Russian) ports as well as imports (exports) of goods by individuals within approved a duty free quote, or which cross the customs border in privilege manner.

Data from the Federal Customs Service on commodities is calculated without account of mutual trade with the Republic of Kazakhstan from July to December 2010 due to the abolition of customs zone in Russia-Kazakhstan border in July 1, 2010.

External trade turnover according to data of the Federal Customs Service is presented as of February 5, 2016.

**External trade turnover** – a sum of export and import of goods.

**Foreign trade balance (netting)** is a difference between export and import of goods. A positive balance means that export exceeds import while a negative balance (symbol “-“ put down) means that import exceeds export.

**Average export (import) prices** are a ratio of a total value of exported (imported) commodities to their quantity.

Tables 27.1 contains data presented by the Bank of Russia; tables 27.2, 27.3, 27.4, 27.5, 27.7, 27.8, 27.9, 27.11, 27.12, 27.14, 27.15, 27.16, 27.18, 27.19, 27.21, 27.22, 27.24, 27.25 - include data from the Federal Customs Service with account to mutual trade with the EAEU member-states: for 2000, 2005 with the Republic of Belarus, for 2010-2014 with the Republic of Belarus and the Republic of Kazakhstan, for 2015 with the Republic of Armenia (since January 1, 2015) and the Kyrgyz Republic (since August 12, 2015), the Republic of Belarus, the Republic of Kazakhstan; in tables 27.6, 27.10, 27.13, 27.17, 27.20, 27.23, 27.26 - data of the Federal Customs Service of Russia.



## EXTERNAL TRADE IN GOODS

27.1. EXTERNAL TRADE OF THE RUSSIAN FEDERATION <sup>1)</sup>(according to Balance of Payments methodology;  
at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. US dollars</b>							
<b>External trade turnover</b>	<b>141.4</b>	<b>363.9</b>	<b>638.4</b>	<b>863.2</b>	<b>863.1</b>	<b>804.7</b>	<b>534.4</b>	<b>473.2</b>
Exports	99.2	240.0	392.7	527.4	521.8	496.8	341.5	281.8
Imports	42.1	123.8	245.7	335.8	341.3	307.9	193.0	191.4
Trade balance	57.1	116.2	147.0	191.7	180.6	188.9	148.5	90.4
including:								
with other countries								
exports	85.4	207.3	333.6	443.8	443.8	428.1	292.3	242.1
imports	30.2	104.3	213.2	288.4	295.0	271.9	170.6	170.8
trade balance	55.1	103.0	120.4	155.4	148.9	156.3	121.8	71.3
with CIS countries								
exports	13.9	32.7	59.0	83.7	78.0	68.7	49.1	39.7
imports	11.9	19.5	32.4	47.4	46.3	36.0	22.4	20.6
trade balance	2.0	13.2	26.6	36.3	31.7	32.7	26.7	19.2
	<b>Percent of previous year</b>							
<b>External trade turnover</b>	<b>132.2</b>	<b>133.7</b>	<b>132.7</b>	<b>103.5</b>	<b>100.0</b>	<b>93.2</b>	<b>66.4</b>	<b>88.6</b>
Exports	142.4	135.0	132.1	102.3	98.9	95.2	68.7	82.5
Imports	113.1	131.4	133.6	105.4	101.6	90.2	62.7	99.2
of which:								
with other countries								
exports	146.9	139.7	132.4	101.6	100.0	96.5	68.3	82.8
imports	108.3	136.4	131.1	105.3	102.3	92.2	62.7	100.2
with CIS countries								
exports	120.0	111.0	130.8	106.3	93.2	88.1	71.6	80.9
imports	127.1	110.0	152.6	105.9	97.8	77.7	62.2	91.9

<sup>1)</sup> Data source: Bank of Russia.

**27.2. EXPORTS AND IMPORTS OF THE RUSSIAN FEDERATION <sup>1)</sup>**

(at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. US dollars</b>							
Exports	103.1	241.5	397.1	524.7	526.0	497.4	343.5	285.5
Imports	33.9	98.7	228.9	317.3	315.3	287.1	182.7	182.3
With CIS countries								
exports	13.8	32.6	59.6	79.3	73.9	64.2	45.0	37.4
imports	11.6	19.0	31.7	44.9	39.0	33.3	21.0	19.3
of which								
with EurAsEC <sup>2)</sup>								
exports	8.0	17.3	30.4	43.1	40.8	36.9	28.5	25.5
imports	6.2	9.2	15.0	24.1	20.4	20.3	13.9	13.6
including with								
states - members								
of the Customs								
Union								
exports	-	-	-	40.8	38.0	34.3	-	-
imports	-	-	-	23.8	20.2	20.2	-	-
With other countries								
exports	89.3	208.8	337.5	445.5	452.0	433.2	298.5	248.1
imports	22.3	79.7	197.2	272.3	276.3	253.8	161.7	162.9
	<b>Percent of previous year</b>							
Exports	141.4	133.0	131.6	101.6	100.2	94.6	69.1	83.1
Imports	111.9	130.6	136.8	103.8	99.4	91.0	63.7	99.7
With CIS countries								
exports	129.1	110.7	127.3	99.8	93.3	86.8	70.1	83.0
imports	139.1	107.2	145.4	100.2	86.8	85.4	63.2	91.9
of which								
with EurAsEC <sup>2)</sup>								
exports	155.1	105.7	111.2	105.4	94.5	90.5	...	...
imports	129.2	90.5	136.5	112.2	84.7	99.6	...	...
including with								
states - members								
of the Customs								
Union								
exports	-	-	-	104.6	93.1	90.2	-	-
imports	-	-	-	112.9	85.0	99.8	-	-
With other countries								
exports	143.6	137.3	132.4	101.9	101.5	95.8	68.9	83.1
imports	101.5	137.8	135.5	104.4	101.5	91.8	63.7	100.8

<sup>1)</sup> Hereinafter data source: Federal Customs Service, including data on mutual trade in goods with the EAEU member-states.

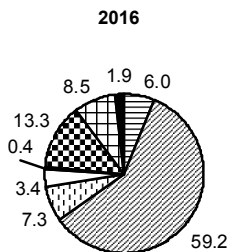
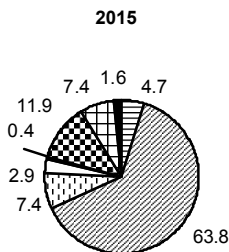
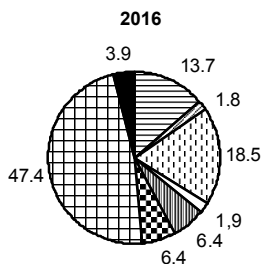
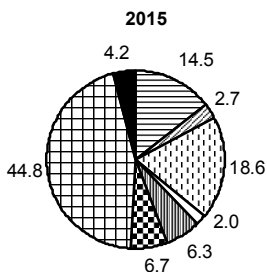
<sup>2)</sup> Eurasian Economic Community (EurAsEC) consists of: the Republic of Belarus, the Republic of Kazakhstan, The Kyrgyz Republic, the Russian Federation, the Republic of Tajikistan. Since 2015 – the Eurasian Economic Union (EAEU) includes the Republic of Belarus, the Republic of Kazakhstan, the Republic of Armenia and the Kyrgyz Republic (starting from August 12, 2015).

The member-states of the Customs Union (CU) are the Republic of Belarus, the Republic of Kazakhstan, the Russian Federation.



### 27.3. COMMODITY STRUCTURE OF EXPORTS AND IMPORTS OF THE RUSSIAN FEDERATION

(percent)

**Exports****Imports**

- ▣ Food products and agricultural raw materials (excluding textile)
- ▣ Mineral products
- ▣ Chemical products, rubber
- ▣ Wood, pulp-and-paper products
- ▣ Textiles, textile articles and footwear (including leather raw materials, fur and articles thereof)
- ▣ Metals, precious stones and articles thereof
- ▣ Machinery, equipment and transport means
- ▣ Other goods

**27.4. EXTERNAL TRADE OF THE RUSSIAN FEDERATION  
WITH THE CIS COUNTRIES**

(at actual prices; mln. US dollars)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Exports</b>							
<b>Total</b>	<b>13824</b>	<b>32627</b>	<b>59601</b>	<b>79219</b>	<b>73922</b>	<b>63984</b>	<b>45018</b>	<b>37358</b>
including trade with EurAsEC <sup>1)</sup>	7974	17269	30435	43094	40614	38006 <sup>2)</sup>	30083 <sup>2)</sup>	26554 <sup>2)</sup>
Of total exports by countries:								
Azerbaijan	136	858	1562	2846	2943	3373	2287	1508
Armenia	27.5	191	700	920	998	1094	1051	957
Belarus	5568	10118	18081	25085	20228	20605 <sup>2)</sup>	15350	14051
Georgia	42.3	353	-	-	-	-	-	-
Kazakhstan	2247	6524	10690	15697	17632	14113	10786	9427
Kyrgyzstan	103	398	991	1634	2029	1743	1302	1026
Republic of Moldova	210	448	1108	1609	1321	1480	1036	912
Tajikistan	55.9	240	673	679	724	891	763	662
Turkmenistan	130	224	757	1211	1430	1156	914	571
Uzbekistan	274	861	1889	2324	2804	3121	2235	1965
Ukraine	5024	12402	23148	27215	23813	17062	9294	6280



Continued table 27.4

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Imports</b>							
<b>Total</b>	<b>11604</b>	<b>18995</b>	<b>31728</b>	<b>44899</b>	<b>38587</b>	<b>32806</b>	<b>21037</b>	<b>19332</b>
including trade with EurAsEC	6236	9181	15009	24038	19994	25884 <sup>2)</sup>	14841 <sup>2)</sup>	14322 <sup>2)</sup>
Of total imports by country:								
Azerbaijan	135	206	386	564	636	636	518	446
Armenia	44.0	101	159	301	352	314	210	378
Belarus	3710	5716	9954	13723	13959	15346 <sup>2)</sup>	8869	9406
Georgia	76.6	158	-	-	-	-	-	-
Kazakhstan	2200	3225	4449	10051	5887	7396	4783	3612
Kyrgyzstan	88.6	146	393	196	110	73.8	71.7	171
Republic of Moldova	325	548	421	477	417	316	186	249
Tajikistan	237	95.0	214	68.3	37.9	37.3	52.2	26.4
Turkmenistan	473	77.2	148	184	139	90.9	73.5	331
Uzbekistan	663	904	1557	1391	1257	875	602	761
Ukraine	3651	7819	14047	17945	15791	10749	5673	3951

In 2016 in total volume of exports of Russia the share of Belarus was 4.9%, Ukraine – 2.2, Kazakhstan – 3.3%.

In imports predominated shipments from Belarus – 5.2% of total imports volume, Ukraine – 2.2, Kazakhstan – 2.0%.

<sup>1)</sup> Since 2015 – the Eurasian Economic Union (EAEU) includes the Republic of Belarus, the Republic of Kazakhstan, the Republic of Armenia and the Kyrgyz Republic (starting from August 12, 2015).

<sup>2)</sup> Including recalculations of unrecorded mutual trade of the Russian Federation.



**27.5. EXTERNAL TRADE OF THE RUSSIAN FEDERATION  
WITH OTHER COUNTRIES**

(at actual prices; mln. US dollars)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Exports</b>							
<b>Total</b>	<b>89269</b>	<b>208846</b>	<b>337467</b>	<b>445478</b>	<b>453344</b>	<b>433850</b>	<b>298524</b>	<b>248133</b>
including								
by countries:								
European Union								
of which:								
Austria	758	2353	1022	1500	1280	769	1163	1052
Belgium	757	2464	4927	6803	7726	9226	6361	5741
Bulgaria	585	1900	3416	4262	2217	1463	1888	2319
Hungary	2406	5004	5355	6733	6352	5181	3030	2650
Germany	9232	19736	25662	34995	37027	37124	25351	21259
Greece	1273	1930	2852	5948	6245	3672	2523	2661
Denmark	424	725	1564	1842	1480	2902	1943	1401
Ireland	288	771	161	283	329	332	273	317
Spain	1068	2823	4048	5721	6027	4577	2683	1953
Italy	7254	19053	27476	32301	39314	35744	22294	11931
Cyprus	1722	5095	1641	2067	1923	610	244	283
Netherlands	4349	24614	53974	76886	70126	68013	40849	29255
Poland	4452	8623	14936	19892	19582	15942	9666	9099
Romania	921	3041	2025	1877	1616	1461	1679	1846
Slovakia	2122	3190	4576	6153	5860	5196	3577	2497
United Kingdom	4670	8280	11309	15028	16449	11474	7475	6944
Finland	3104	7651	12170	12009	13308	11380	7092	6535
France	1903	6111	12420	10527	9203	7578	5712	4778
Czech Republic	1745	3817	5500	4925	5983	5162	3260	2694
Sweden	1733	2320	3589	6187	4476	4794	2435	2224



## 27. EXTERNAL ECONOMIC ACTIVITIES

Continued table 27.5

	2000	2005	2010	2012	2013	2014	2015	2016
Other countries								
of which:								
Australia	5.6	36.0	53.3	107	72.0	127	103	64.5
Algeria	120	206	1310	2782	1585	875	1991	3966
Argentina	36.5	71.7	210	307	400	222	122	163
Afghanistan	11.2	104	549	939	631	953	150	184
Brazil	259	606	1798	2305	1985	2366	1924	1786
Vietnam	168	739	1334	1389	1374	1452	1843	1373
Hong Kong	136	350	831	1411	3026	1250	776	698
Georgia	-	-	211	399	536	518	531	590
Egypt	449	1049	1920	3212	2503	4939	3676	3783
Israel	1045	1538	1763	1631	2085	2291	1540	1469
India	1082	2314	6392	7563	6983	6341	5574	5313
Iran	633	1922	3380	1900	1169	1327	1017	1882
Canada	88.9	200	1081	345	471	700	544	420
China	5248	13048	20326	35766	35625	37494	28602	28021
Democratic People's Republic of Korea	38.4	228	82.1	58.4	103	82.2	78.3	68.1
Cuba	80.7	125	222	170	158	101	87.3	214
Morocco	61.1	396	558	1307	860	933	548	725
Mexico	114	208	289	493	855	1374	999	1062
Mongolia	182	443	937	1851	1572	1460	1117	896
Switzerland	3857	10774	8716	10523	8792	3675	2615	3110
Nigeria	82.2	156	110	198	268	352	285	380
New Zealand	0.9	11.7	78.5	8.7	332	423	403	77.7
Norway	127	683	755	910	808	935	755	737





Continued table 27.5

	2000	2005	2010	2012	2013	2014	2015	2016
United Arab Emirates	178	691	983	1225	2093	1738	1081	971
Pakistan	62.7	231	122	210	197	147	97.5	133
Panama	140	290	67.8	28.4	58.4	49.5	48.8	12.3
Republic of Korea	972	2359	10439	13855	14867	18276	13492	10027
Singapore	477	309	2008	1590	1886	5552	2491	1797
Syria	95.5	440	1116	626	360	587	307	182
USA	4644	6323	12320	12867	11135	10636	9456	9354
Thailand	80.2	547	1536	1411	1273	1752	561	616
Taiwan (China)	404	1438	1797	3322	4443	3910	2623	2703
Turkey	3098	10841	20317	27426	25476	24954	19291	13698
Japan	2764	3740	12829	15509	19668	19855	14490	9384
	<b>Imports</b>							
<b>Total</b>	<b>22276</b>	<b>79712</b>	<b>197184</b>	<b>272278</b>	<b>276380</b>	<b>253864</b>	<b>161 681</b>	<b>162 930</b>
including by countries:								
European Union								
of which:								
Austria	419	1211	2463	3393	3846	3438	2013	1835
Belgium	481	1476	3265	4491	4034	3574	2093	2269
Bulgaria	116	241	540	694	702	652	486	482
Hungary	404	1100	3141	3103	3007	2740	1715	1657
Germany	3898	13272	26699	38305	37917	32964	20441	19451
Greece	125	188	423	634	611	496	229	213
Denmark	346	921	1703	2043	2178	1605	875	831
Ireland	106	290	998	1366	1372	1302	831	897
Spain	313	1227	3042	4913	4915	4343	2824	2474
Italy	1212	4416	10043	13432	14554	12725	8320	7839



## 27. EXTERNAL ECONOMIC ACTIVITIES

Continued table 27.5

	2000	2005	2010	2012	2013	2014	2015	2016
Cyprus	35.5	47.5	27.0	32.7	42.7	43.6	59.2	51.6
Netherlands	740	1941	4442	5978	5837	5287	3096	3021
Poland	716	2747	5826	7474	8326	7079	4097	3959
Romania	79.4	255	1345	1736	2047	2210	1311	1231
Slovakia	105	503	2492	3715	3534	2864	1760	1665
United Kingdom	861	2776	4576	8192	8106	7810	3722	3432
Finland	958	3100	4584	5004	5396	4571	2670	2478
France	1187	3673	10043	13804	13012	10655	5919	8489
Czech Republic	367	989	2918	5354	5318	4899	2846	2767
Sweden	465	1861	2854	3941	3917	3240	1853	1668
Other countries								
of which:								
Australia	172	244	769	899	815	673	582	468
Algeria	7.0	2.0	27.4	3.7	4.8	10.2	5.5	8.2
Argentina	86.1	621	914	1264	1100	1117	825	684
Afghanistan	5.4	3.9	22.0	11.3	14.3	12.9	9.1	6.3
Brazil	388	2346	4067	3359	3493	3970	2915	2524
Vietnam	36.8	174	1111	2273	2597	2296	2053	2465
Hong Kong	3.3	18.6	61.8	88.8	172	204	193	168
Georgia	-	-	38.0	39.1	150	268.5	163	203
Egypt	4.9	77.4	271	343	442	540	414	373
Israel	109	332	825	1286	1493	1142	806	720
India	557	784	2143	3041	3091	3172	2258	2397
Iran	53.6	125	272	428	433	355	267	303
Canada	193	517	1485	2465	1796	1500	838	719
China	949	7265	38964	51634	53173	50856	34951	38087



Continued table 27.5

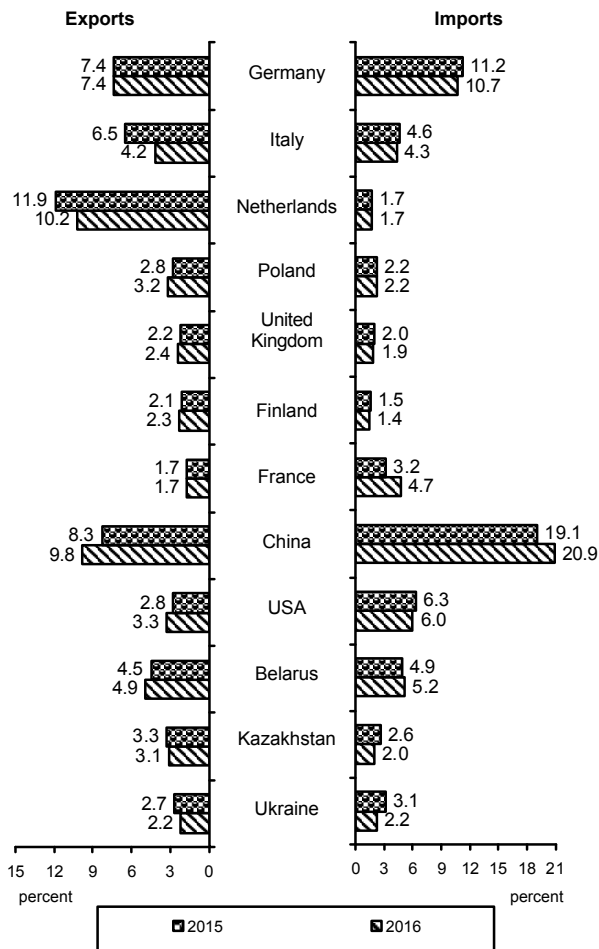
	2000	2005	2010	2012	2013	2014	2015	2016
Democratic People's Republic of Korea	7.7	6.9	16.4	10.2	9.3	10.0	6.0	8.8
Cuba	304	61.4	54.3	49.6	27.6	61.8	48.5	34.5
Morocco	59.2	144	374	541	566	608	467	567
Mexico	42.2	86.8	480	1094	1048	783	589	644
Mongolia	40.4	22.4	79.1	64.3	40.9	40.4	44.1	35.9
Nigeria	2.3	1.9	4.1	25.3	31.2	16.5	22.7	14.6
New Zealand	26.6	63.7	151	212	238	241	111	150
Norway	154	750	1416	1791	1754	1151	627	666
United Arab Emirates	23.0	90.1	35.9	262	423	260	164	273
Pakistan	6.2	47.1	240	332	350	311	298	272
Panama	46.3	3.6	2.6	4.2	960	6.6	11.2	1.9
Republic of Korea	359	4005	7287	10955	10305	9012	4560	5113
Singapore	43.5	317	332	414	553	604	517	496
Syria	11.2	26.0	42.5	30.7	16.2	7.1	5.3	11.0
USA	2694	4563	11097	15317	16502	18496	11454	10923
Thailand	89.8	452	1370	1971	2084	2232	1491	1147
Taiwan (China)	88.8	492	1533	2004	1915	1674	1315	1613
Turkey	349	1732	4867	6859	7273	6655	4049	2148
Switzerland	271	875	2415	2997	2984	3259	1974	1943
Japan	572	5834	10260	15649	13561	10918	6813	6680

In total exports volume of Russia in 2016 the largest share accounted for the following other countries: the Netherlands – 10.2%, China – 9.8, Germany – 7.4, Italy – 4.2, Turkey – 4.8, Japan – 3.3, Republic of Korea – 3.5, Poland – 3.2, USA – 3.3, United Kingdom – 2.4, Finland – 2.3, Belgium – 2.0 and France – 1.7%.

Shipments from the following countries predominated in imports: China – 20.9%, Germany – 10.7, USA – 6.0, Italy – 4.3, Japan – 3.7, France – 4.7, Republic of Korea 2.8, Poland – 2.2, Turkey – 1.2, United Kingdom – 1.9, the Netherlands – 1.7, Czech Republic – 1.5 and Finland – 1.4%.



### 27.6. EXPORTS AND IMPORTS OF THE RUSSIAN FEDERATION WITH SELECTED FOREIGN COUNTRIES



**27.7. COMMODITY STRUCTURE OF EXPORTS  
OF THE RUSSIAN FEDERATION**

(at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. US dollars</b>							
<b>Exports - total</b>	<b>103</b>	<b>241</b>	<b>397</b>	<b>525</b>	<b>526</b>	<b>497</b>	<b>344</b>	<b>285</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	1.6	4.5	8.8	16.8	16.3	19.0	16.2	17.0
mineral products	55.5	156	272	374	376	350	219	169
chemical products, rubber	7.4	14.4	24.5	32.1	30.8	29.2	25.4	20.8
leather raw materials, fur and articles thereof	0.3	0.3	0.3	0.5	0.6	0.4	0.3	0.3
wood, pulp-and-paper products	4.5	8.3	9.6	10.2	11.0	11.6	9.8	9.8
textiles, textile articles and footwear	0.8	1.0	0.8	0.8	0.9	1.1	0.9	0.9
metals, precious stones and articles thereof	22.4	40.6	50.3	58.3	55.1	52.3	40.8	38.0
machinery, equipment and transport means	9.1	13.5	21.3	26.6	28.8	26.5	25.4	24.3
others	1.6	2.5	...	5.6	6.6	7.0	5.5	5.5
	<b>Percent of total</b>							
<b>Exports - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	1.6	1.9	2.2	3.2	3.1	3.8	4.7	6.0
mineral products	53.8	64.8	68.5	71.3	71.5	70.4	63.8	59.2
chemical products, rubber	7.2	6.0	6.2	6.1	5.9	5.9	7.4	7.3
leather raw materials, fur and articles thereof	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
wood, pulp-and-paper products	4.3	3.4	2.4	1.9	2.1	2.3	2.9	3.4
textiles, textile articles and footwear	0.8	0.4	0.2	0.1	0.2	0.2	0.3	0.3
metals, precious stones and articles thereof	21.7	16.8	12.7	11.1	10.5	10.5	11.9	13.3
machinery, equipment and transport means	8.8	5.6	5.4	5.1	5.5	5.3	7.4	8.5
others	1.5	1.0	...	1.1	1.3	1.4	1.6	1.9



**27.8. COMMODITY STRUCTURE OF EXPORTS  
OF THE RUSSIAN FEDERATION TO THE CIS COUNTRIES**  
(at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bin. US dollars</b>							
<b>Exports – total</b>	<b>13.8</b>	<b>32.6</b>	<b>59.6</b>	<b>79.3</b>	<b>73.9</b>	<b>64.2</b>	<b>45.0</b>	<b>37.4</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	0.7	2.2	2.8	4.3	4.9	5.2	4.3	4.2
mineral products	6.8	15.0	30.2	44.2	35.5	28.9	18.4	12.8
chemical products, rubber	1.4	2.9	4.8	7.2	7.7	7.2	6.0	5.8
leather raw materials, fur and articles thereof	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
wood, pulp-and-paper products	0.4	1.2	1.8	2.3	2.6	2.6	1.7	1.7
textiles, textile articles and footwear	0.3	0.5	0.5	0.6	0.7	0.8	0.6	0.7
metals, precious stones and articles thereof	1.4	4.1	5.7	7.7	8.2	6.9	5.1	4.6
machinery, equipment and transport means	2.4	5.9	6.9	10.8	12.2	10.5	7.4	6.2
others	0.4	0.7	...	2.1	2.0	2.0	1.4	1.3
	<b>Percent of total</b>							
<b>Exports – total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	5.3	6.7	4.6	5.4	6.6	8.1	9.5	11.2
mineral products	49.1	46.0	50.7	55.8	48.0	45.1	40.8	34.4
chemical products, rubber	10.2	9.0	8.1	9.1	10.5	11.2	13.4	15.5
leather raw materials, fur and articles thereof	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.2
wood, pulp-and-paper products	3.0	3.6	3.0	3.0	3.6	4.0	3.8	4.4
textiles, textile articles and footwear	2.0	1.6	0.9	0.7	0.9	1.3	1.4	1.7
metals, precious stones and articles thereof	10.4	12.6	9.6	9.6	11.1	10.8	11.3	12.3
machinery, equipment and transport means	17.0	18.2	11.6	13.7	16.5	16.4	16.5	16.7
others	2.7	2.1	...	2.6	2.7	3.0	3.2	3.6

**27.9. COMMODITY STRUCTURE OF EXPORTS  
OF THE RUSSIAN FEDERATION TO OTHER COUNTRIES**  
(at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. US dollars</b>							
<b>Exports - total</b>	<b>89.3</b>	<b>209</b>	<b>337</b>	<b>445</b>	<b>452</b>	<b>433</b>	<b>299</b>	<b>248</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	0.9	2.3	6.0	12.5	11.3	13.8	12.0	12.9
mineral products	48.7	141	242	330	340	321	201	156
chemical products, rubber	6.0	11.4	19.7	24.9	23.1	22.1	19.3	15.0
leather raw materials, fur and articles thereof	0.2	0.3	0.2	0.4	0.5	0.3	0.3	0.2
wood, pulp-and-paper products	4.1	7.2	7.8	7.8	8.3	9.0	8.1	8.1
textiles, textile articles and footwear	0.5	0.4	0.2	0.2	0.3	0.3	0.2	0.2
metals, precious stones and articles thereof	21.0	36.5	44.6	50.6	46.9	45.3	35.7	33.4
machinery, equipment and transport means	6.7	7.6	14.3	15.7	16.6	16.0	18.0	18.0
others	1.2	1.8	2.8	3.5	4.7	5.0	4.1	4.2
	<b>Percent of total</b>							
<b>Exports - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	1.0	1.1	1.8	2.8	2.5	3.2	4.0	5.2
mineral products	54.5	67.7	71.6	74.0	75.3	74.2	67.3	62.9
chemical products, rubber	6.7	5.5	5.8	5.6	5.1	5.1	6.5	6.0
leather raw materials, fur and articles thereof	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
wood, pulp-and-paper products	4.5	3.4	2.3	1.8	1.8	2.1	2.7	3.3
textiles, textile articles and footwear	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1
metals, precious stones and articles thereof	23.5	17.5	13.2	11.4	10.4	10.5	12.0	13.5
machinery, equipment and transport means	7.5	3.6	4.3	3.5	3.7	3.7	6.0	7.3
others	1.4	0.9	0.8	0.8	1.0	1.2	1.4	1.7



**27.10. COMMODITY STRUCTURE OF IMPORTS  
OF THE RUSSIAN FEDERATION**

(at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. US dollars</b>							
<b>Imports - total</b>	<b>33.9</b>	<b>98.7</b>	<b>229</b>	<b>317</b>	<b>315</b>	<b>287</b>	<b>183</b>	<b>182</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	7.4	17.4	36.4	40.7	43.3	40.0	26.6	24.9
mineral products	2.1	3.0	5.2	7.5	6.9	7.3	5.0	3.2
chemical products, rubber	6.1	16.3	37.0	48.6	50.0	46.5	34.0	33.8
leather raw materials, fur and articles thereof	0.1	0.3	1.2	1.7	1.5	1.3	0.8	0.8
wood, pulp-and-paper products	1.3	3.3	5.9	6.2	6.6	5.9	3.6	3.4
textiles, textile articles and footwear	2.0	3.6	14.1	18.0	18.0	16.3	10.8	11.0
metals, precious stones and articles thereof	2.8	7.7	16.8	23.3	22.6	20.6	12.3	11.8
machinery, equipment and transport means	10.7	43.4	102	158	153	137	81.9	86.3
others	1.4	3.7	...	12.9	13.5	12.7	7.7	7.1
	<b>Percent of total</b>							
<b>Imports - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	21.8	17.7	15.9	12.8	13.7	13.9	14.5	13.7
mineral products	6.3	3.1	2.3	2.4	2.2	2.6	2.7	1.8
chemical products, rubber	18.0	16.5	16.1	15.3	15.9	16.2	18.6	18.5
leather raw materials, fur and articles thereof	0.4	0.3	0.5	0.5	0.5	0.4	0.4	0.4
wood, pulp-and-paper products	3.8	3.3	2.6	2.0	2.1	2.1	2.0	1.9
textiles, textile articles and footwear	5.9	3.7	6.2	5.7	5.7	5.7	5.9	6.0
metals, precious stones and articles thereof	8.3	7.7	7.3	7.3	7.2	7.1	6.7	6.4
machinery, equipment and transport means	31.4	44.0	44.4	49.9	48.5	47.6	44.8	47.4
others	4.1	3.7	...	4.1	4.3	4.4	4.2	3.9



**27.11. COMMODITY STRUCTURE OF IMPORTS  
OF THE RUSSIAN FEDERATION FROM THE CIS COUNTRIES**  
(at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. US dollars</b>							
<b>Imports – total</b>	<b>11.6</b>	<b>19.0</b>	<b>31.7</b>	<b>44.9</b>	<b>39.0</b>	<b>33.3</b>	<b>21.0</b>	<b>19.3</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	2.1	3.9	6.2	5.2	6.3	5.9	4.4	4.5
mineral products	1.7	2.3	3.3	4.7	4.5	5.2	3.5	1.9
chemical products, rubber	1.5	2.0	2.8	4.8	4.1	3.8	3.1	2.8
leather raw materials, fur and articles thereof	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
wood, pulp-and-paper products	0.3	0.6	1.0	1.2	1.5	1.1	0.7	0.6
textiles, textile articles and footwear	1.1	1.0	1.8	3.3	2.0	1.7	1.2	1.5
metals, precious stones and articles thereof	1.7	3.4	4.5	7.3	6.3	5.4	2.9	2.8
machinery, equipment and transport means	2.6	5.0	9.1	16.5	12.5	8.5	4.2	4.5
others	0.6	0.8	...	1.7	1.8	1.7	1.0	0.7
	<b>Percent of total</b>							
<b>Imports – total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	17.9	20.4	19.4	11.6	16.3	17.6	20.8	23.3
mineral products	15.1	12.1	10.4	10.5	11.5	15.6	16.5	10.0
chemical products, rubber	12.6	10.7	8.9	10.6	10.5	11.6	14.9	14.2
leather raw materials, fur and articles thereof	0.4	0.2	0.1	0.4	0.1	0.1	0.1	0.2
wood, pulp-and-paper products	2.5	3.0	3.2	2.8	3.8	3.3	3.3	3.1
textiles, textile articles and footwear	9.8	5.4	5.7	7.4	5.2	5.0	5.6	7.7
metals, precious stones and articles thereof	14.8	17.7	14.1	16.4	16.0	16.0	13.8	14.5
machinery, equipment and transport means	22.1	26.4	28.7	36.7	32.0	25.7	20.2	23.3
others	4.8	4.1	...	3.8	4.6	5.1	4.8	3.6



**27.12. COMMODITY STRUCTURE OF IMPORTS  
OF THE RUSSIAN FEDERATION FROM OTHER COUNTRIES**  
(at actual prices)

	2000	2005	2010	2012	2013	2014	2015	2016
	<b>Bln. US dollars</b>							
<b>Imports - total</b>	<b>22.3</b>	<b>79.7</b>	<b>197</b>	<b>272</b>	<b>276</b>	<b>254</b>	<b>162</b>	<b>163</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	5.3	13.6	30.2	35.5	36.9	34.1	22.2	20.4
mineral products	0.4	0.8	1.9	2.8	2.4	2.2	1.5	1.3
chemical products, rubber	4.6	14.2	34.2	43.8	45.9	42.6	30.8	31.0
leather raw materials, fur and articles thereof	0.1	0.2	1.2	1.5	1.5	1.3	0.8	0.8
wood, pulp-and-paper products	1.0	2.7	4.9	5.0	5.1	4.8	2.9	2.8
textiles, textile articles and footwear	0.9	2.6	12.3	14.7	16.0	14.6	9.7	9.5
metals, precious stones and articles thereof	1.1	4.3	12.3	15.9	16.4	15.2	9.4	9.0
machinery, equipment and transport means	8.1	38.4	92.6	142	140	128	77.6	81.8
others	0.8	2.9	7.5	11.2	11.7	10.9	6.7	6.4
	<b>Percent of total</b>							
<b>Imports - total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
including:								
foodstuffs and agricultural raw materials (excluding textile)	23.8	17.0	15.3	13.0	13.4	13.4	13.7	12.5
mineral products	1.7	0.9	1.0	1.0	0.9	0.8	0.9	0.8
chemical products, rubber	20.7	17.9	17.3	16.1	16.6	16.8	19.1	19.0
leather raw materials, fur and articles thereof	0.3	0.3	0.6	0.6	0.5	0.5	0.5	0.5
wood, pulp-and-paper products	4.5	3.4	2.5	1.8	1.9	1.9	1.8	1.7
textiles, textile articles and footwear	3.9	3.3	6.3	5.4	5.8	5.8	6.0	5.8
metals, precious stones and articles thereof	5.0	5.4	6.2	5.8	6.0	6.0	5.8	5.5
machinery, equipment and transport means	36.3	48.2	47.0	52.1	50.8	50.5	48.0	50.2
others	3.8	3.6	3.8	4.1	4.2	4.3	4.1	3.9

**27.13. SHARE OF CONSUMER, INTERMEDIATE  
AND INVESTMENT PRODUCTS IN TOTAL VOLUME OF IMPORTS  
OF THE RUSSIAN FEDERATION <sup>1)</sup>**

(percent)

Years	Products		
	consumer	intermediate	investment
2010	40.4	40.1	19.5
2012	38.1	37.0	24.9
2013	37.7	38.0	24.3
2014	37.8	37.7	24.5
2015	39.9	36.6	23.5
2016	38.7	34.6	26.7

<sup>1)</sup> Groupings of products (consumer, intermediate, investment) were performed on the basis of Harmonized System (HS), Standard International Trade Classification (SITC) and International Classification by Broad Economic Categories (ICBEC).

**27.14. MAIN EXPORT GOODS OF  
THE RUSSIAN FEDERATION**

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Exports – total,</b> mln. US dollars	<b>103093</b>	<b>241473</b>	<b>397068</b>	<b>524698</b>	<b>527266</b>	<b>343543</b>	<b>343543</b>	<b>285491</b>
Fresh and frozen fish <sup>1)</sup> , thou. ton	1060	1265	1566	1599	1797	1601	1699	1792
Wheat and meslin, thou. ton	594	10348	11848	16025	13796	21230	21230	25327
Iron ore and concen- trates, mln. ton	19.2	18.2	22.3	25.5	25.7	23.0	18.5	21.3
Coal, mln. ton	44.1	79.8	116	131	139	153	166	153
Crude oil, mln. ton	145	253	247	240	237	223	255	245
Petroleum products, mln. ton	62.7	97.1	133	138	152	165	156	172
Natural gas, bln. cu. m	194	207	174	179	196	174	199	186
Electric power, mln. kWh	15132	22568	19091	19143	18382	14671	18244	17694
Mineral nitrogen fertilizers, thou. ton:								
physical weight	9323	10181	10931	11186	11815	12150	11590	12773
recalculated as 100% of nutrients	3546	3860	4204	4227	4496	4623	4423	4954
Mineral potash fertilizers, thou. ton:								
physical weight	4697	8775	9223	8978	6321	10460	11185	9486
recalculated as 100% of nutrients	...	2841	2149	5437	3887	6351	6787	5771



## 27. EXTERNAL ECONOMIC ACTIVITIES

Continued table 27.14

	2000	2005	2010	2012	2013	2014	2015	2016
Mineral mixed fertilizers, thou. ton	6312	7373	8040	8734	9151	8276	8862	9242
Wood in the rough, mln. cu. m	30.9	48.0	21.3	17.6	19.0	20.9	19.4	20.1
Pig irons, mln. US dollars	6733	18698	20843	22607	20070	20537	15255	14122
Steel-making iron, thou. ton	3691	5292	4039	4105	4100	4359	5340	5139
Copper, thou. ton	649	311	458	254	222	290	567	511
Crude nickel, thou. ton	198	262	241	219	238	238	226	186
Crude aluminum, thou. ton	3203	3690	3319	3417	3335	2845	3380	3481
Passenger cars, thou. pieces	116	131	45.4	113	138	129	97.7	68.0
Trucks, thou. pieces	12.9	49.2	13.4	18.8	27.0	22.5	20.0	14.3

<sup>1)</sup> Including fish fresh and frozen caught and sold outside of the customs territory of the Russian Federation.

### 27.15. MAIN EXPORT GOODS OF THE RUSSIAN FEDERATION TO THE CIS COUNTRIES

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Exports – total, mln. US dollars</b>	<b>13824</b>	<b>32627</b>	<b>59601</b>	<b>79219</b>	<b>73922</b>	<b>63984</b>	<b>45018</b>	<b>37358</b>
Fresh and frozen fish <sup>1)</sup> , thou. ton	76.1	118	28.6	25.4	52.9	61.9	58.4	63.7
Wheat and meslin, thou. ton	461	1445	374	537	811	1150	1521	1384
Iron ore and concentrates, mln. ton	10.1	2.6	3.1	2.2	3.8	3.1	3.0	1.6
Coal, mln. ton	6.1	8.3	13.1	11.6	11.3	10.5	10.2	10.7
Crude oil, mln. ton	17.0	38.0	22.9	28.4	28.7	24.1	22.9	18.6
Petroleum products, mln. ton	3.5	3.9	5.7	17.0	10.3	9.5	8.3	8.0
Natural gas, bln. cu. m	60.1	47.5	66.9	66.0	58.4	48.0	40.7	34.0



## 27. EXTERNAL ECONOMIC ACTIVITIES

Continued table 27.15

	2000	2005	2010	2012	2013	2014	2015	2016
Electric power, mln. kWh	9095	9211	581	6147	5492	3422	6972	4569
Mineral nitrogen fertilizers, thou. ton :								
physical weight	408	410	1033	1073	1234	1070	1162	1329
recalculated as 100% of nutrients	143	136	400	355	440	366	395	464
Mineral potash fertilizers, thou. ton :								
physical weight	11.2	65.2	33.1	28.5	25.1	105	76.2	44.9
recalculated as 100% of nutrients	4.3	34.8	17.9	17.0	14.3	61.6	45.4	25.8
Mineral mixed fertilizers, thou. ton	28.7	371	840	1000	1112	1017	1215	1598
Wood in the rough, mln. cu. m	0.2	0.6	0.4	0.5	0.5	0.6	0.6	0.5
Pig irons, mln. US dollars	649	2217	3518	3903	3996	3589	2464	2199
Steel-making iron, thou. ton	141	378	212	142	169	142	101	121
Copper, thou. ton	2.9	2.8	2.9	8.9	9.8	5.2	5.9	10.1
Crude nickel, thou. ton	0.6	0.5	0.5	0.4	0.4	0.4	0.2	0.4
Crude aluminum, thou. ton	11.2	20.3	50.2	75.9	93.3	70.7	54.1	67.3
Passenger cars, thou. pieces	48.3	95.0	37.0	108	132	125	86.1	44.6
Trucks, thou. pieces	7.5	40.0	10.1	17.0	22.5	17.5	14.7	8.3

<sup>1)</sup> Including fish fresh and frozen caught and sold outside of the custom territory of the Russian Federation.



**27.16. MAIN EXPORT GOODS  
OF THE RUSSIAN FEDERATION TO OTHER COUNTRIES**

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Exports – total,</b> mln. US dollars	<b>89269</b>	<b>208846</b>	<b>337467</b>	<b>445478</b>	<b>453344</b>	<b>433850</b>	<b>298524</b>	<b>248133</b>
Fresh and frozen fish <sup>1)</sup> , thou. ton	984	1147	1537	1573	1744	1539	1641	1728
Wheat and meslin, thou. ton	133	8903	11474	15488	12985	20932	19709	23943
Iron ore and concen- trates, mln. ton	9.1	15.6	19.2	23.3	21.9	19.9	18.3	16.9
Coal, mln. ton	38.0	71.5	103	119	128	143	143	155
Crude oil, mln. ton	128	215	224	212	208	199	222	236
Petroleum products, mln. ton	59.2	93.2	127	121	142	156	164	148
Natural gas, bln. cu. m	134	160	107	113	138	126	145	165
Electric power, mln. kWh	6037	13357	18510	12996	12890	11249	11272	13125
Mineral nitrogen fertilizers, thou. ton :								
physical weight	8915	9771	9898	10113	10581	11080	10428	11444
recalculated as 100% of nutrients	3403	3724	3804	3872	4056	4257	4028	4490
Mineral potash fertilizers, thou. ton :								
physical weight	4686	8710	9190	8949	6296	10355	11109	9441
recalculated as 100% of nutrients	2837	5246	5542	5420	3873	6289	6741	5745
Mineral mixed fertilizers, thou. ton	6283	7002	7200	7734	8039	7259	7647	7644
Wood in the rough, mln. cu. m	30.7	47.4	20.9	17.1	18.5	20.3	18.8	19.6



Continued table 27.16

	2000	2005	2010	2012	2013	2014	2015	2016
Pig irons, mln. US dollars	6084	16481	17325	18704	16074	16948	12791	11923
Steel-making iron, thou. ton	3550	4914	3827	3963	3931	4217	5239	5018
Copper, thou. ton	646	308	455	245	212	285	557	501
Crude nickel, thou. ton	197	261	240	219	238	238	226	186
Crude aluminum, thou. ton	3192	3670	3269	3341	3242	2774	3326	3414
Passenger cars, thou. pieces	67.8	36.4	8.4	4.5	6.2	4.4	11.3	23.4
Trucks, thou. pieces	5.4	9.2	3.3	1.8	4.5	5.0	5.3	6.0

<sup>1)</sup> Including fish fresh and frozen caught and sold outside of the customs territory of the Russian Federation.

### 27.17. MAIN IMPORT GOODS TO THE RUSSIAN FEDERATION

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Imports</b> – total, mln. US dollars	<b>33880</b>	<b>98707</b>	<b>228912</b>	<b>317177</b>	<b>314967</b>	<b>286669</b>	<b>182719</b>	<b>182262</b>
Fresh and frozen meat (excluding poultry), thou. ton	517	1340	1614	1400	1288	1012	747	626
Fresh and frozen poultry meat, thou. ton	694	1329	688	528	527	455	255	224
Frozen and fresh fish, thou. ton	327	787	792	737	775	650	401	358
Butter and other milk fats, thou. ton	70.8	133	134	115	144	150	95.9	102
Citrus fruit, fresh or dried, thou. ton	473	953	1491	1580	1705	1653	1552	1527
Coffee, thou. ton	20.6	39.7	102	124	144	155	157	172
Grains, thou. ton	4677	1449	444	1142	1512	932	765	1030
Sunflower, safflower or cotton-seed oil and fractions thereof, thou. ton	150	131	114	17.3	18.1	8.8	3.4	5.9



## 27. EXTERNAL ECONOMIC ACTIVITIES

Continued table 27.17

	2000	2005	2010	2012	2013	2014	2015	2016
Prepared or preserved products of meat, thou. ton	26.1	42.1	41.3	46.6	38.3	61.9	19.1	20.2
Raw sugar, thou. ton	4547	2893	2086	520	530	666	507	259
Refined sugar, thou. ton	467	625	285	61.7	80.0	289	445	270
Alcoholic and nonalcoholic beverages, mln. US dollars	422	1528	2265	3097	3407	3068	1792	1825
Ore and aluminum concentrates, thou. ton	300	121	29.6	119	74.3	87.7	102	110
Medicines, mln. US dollars	1150	3865	9346	10780	11805	10211	6876	7065
Knitwear and textile apparel, mln. US dollars	228	966	5906	8204	8191	7748	5103	5261
Leather footwear, mln. pairs	7.2	15.4	103	85.7	85.7	70.1	48.6	45.1
Pig irons, mln. US dollars	890	2769	5364	6402	5892	5699	3301	3033
Pipes (iron), thou. ton	1064	1029	1466	811	852	675	407	478
Machinery, equipment and transport means, mln. US dollars	10649	43436	101739	158259	152579	136232	81730	86287
combined refrigerators freezers, thou. pieces	...	1778	1625	1572	1294	1342	918	938
computers and s.p., mln. US dollars	207	1356	4819	5791	4865	5082	4035	3824
mobile phones for cellular networks, thou. pieces	...	...	47955	48874	53985	51167	47519	45416
passenger cars, thou. pieces	71.7	774	710	1082	894	704	350	267
trucks, thou. pieces	19.2	50.1	59.0	120	89.1	61.5	22.2	20.3





**27.18. MAIN IMPORT GOODS  
TO THE RUSSIAN FEDERATION FROM THE CIS COUNTRIES**

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Imports – total, mln. US dollars</b>	<b>11604</b>	<b>18995</b>	<b>31728</b>	<b>44899</b>	<b>38587</b>	<b>32806</b>	<b>21037</b>	<b>19332</b>
Fresh and frozen meat (excluding poultry), thou. ton	178	137	180	74.8	118	129	178	144
Fresh and frozen poul- try meat, thou. ton	16.7	10.5	38.3	87.5	123	106	126	116
Frozen and fresh fish, thou. ton	22.8	23.8	7.5	6.3	12.0	10.7	9.2	12.2
Butter and other milk fats, thou. ton	49.0	71.4	55.9	41.1	46.6	65.6	76.2	78.2
Citrus fruit, fresh or dried, thou. ton	34.3	50.7	10.5	3.4	11.3	12.2	35.1	21.1
Coffee, thou. ton	0.3	0.4	0.5	0.8	1.5	0.6	0.6	0.6
Grains, thou. ton	2807	826	111	398	968	505	498	755
Sunflower, safflower or cotton-seed oil and fractions thereof, thou. ton	94.6	116	114	16.5	16.9	8.0	3.1	5.4
Prepared or preserved products of meat, thou. ton	15.5	20.1	12.8	10.7	13.0	41.5	10.7	14.7
Raw sugar, thou. ton	0.0	0.0	0.02	0.9	0.3	0.1	5.1	29.2
Refined sugar, thou. ton	197	551	219	4.2	26.2	235	387	224
Alcoholic and nonalco- holic beverages, mln. US dollars	251	777	496	559	550	369	233	262
Ores and concentrates aluminum, thou. ton	8.1	1.5	1.4	4.9	5.2	3.7	2.4	1.5
Medicines, mln. US dollars	59.2	47.9	106	118	146	152	125	129
Knitwear and textile ap- parel, mln. US dollars	123	207	730	1825	825	637	385	508
Leather footwear, mln. pairs	4.4	4.0	5.8	5.2	6.2	6.0	4.2	10.8
Pig irons, mln. US dol- lars	749	2055	2705	3048	2932	2844	1390	1327
Pipes, irons, thou. ton	794	687	731	547	434	372	206	289



## 27. EXTERNAL ECONOMIC ACTIVITIES

Continued table 27.18

	2000	2005	2010	2012	2013	2014	2015	2016
Machinery, equipment and transport means, mln. US dollars	2565	5006	9121	16479	12305	8236	4111	4484
combined refrigerators freezers, thou. pieces	...	856	604	577	409	534	509	531
computers and s.p., mln. US dollars	5.6	5.9	7.7	85.8	132	435	56.0	11.2
mobile phones for cellular networks, thou. pieces	...	...	0.4	0.0	432	639	747	494
passenger cars, thou. pieces	14.2	55.3	128	109	76.0	32.6	13.2	14.1
trucks, thou. pieces	11.5	9.6	6.3	5.3	4.0	2.6	2.1	3.7

**27.19. MAIN IMPORT GOODS  
TO THE RUSSIAN FEDERATION FROM OTHER COUNTRIES**

	2000	2005	2010	2012	2013	2014	2015	2016
<b>Imports</b> – total, mln. US dollars	<b>22276</b>	<b>79712</b>	<b>197184</b>	<b>272278</b>	<b>276380</b>	<b>253864</b>	<b>161681</b>	<b>162930</b>
Fresh and frozen meat (excluding poultry), thou. ton	339	1203	1434	1325	1170	886	569	482
Fresh and frozen poultry meat, thou. ton	677	1318	650	440	404	349	129	108
Frozen and fresh fish, thou. ton	304	763	784	731	763	639	392	346
Butter and other milk fats, thou. ton	21.8	61.4	78.5	73.9	97.7	84.8	19.7	23.8
Citrus fruit, fresh or dried, thou. ton	439	902	1481	1577	1694	1641	1517	1506
Coffee, thou. ton	20.3	39.3	102	123	142	154	156	171
Grains, thou. ton	1870	623	333	744	544	427	267	275



## 27. EXTERNAL ECONOMIC ACTIVITIES

Continued table 27.19

	2000	2005	2010	2012	2013	2014	2015	2016
Sunflower, safflower or cotton-seed oil and fractions thereof, thou. ton	55.8	15.3	1.0	0.8	1.2	0.8	0.3	0.5
Prepared or preserved products of meat, thou. ton	10.6	22.0	28.5	35.9	25.3	20.4	8.4	5.5
Raw sugar, thou. ton	4547	2893	2086	519	530	666	502	230
Refined sugar, thou. ton	270	74.1	66.3	57.5	53.8	54.0	58.1	46.0
Alcoholic and nonalcoholic beverages, mln. US dollars	171	751	1768	2538	2857	2699	1559	1563
Ores and aluminum concentrates, thou. ton	292	120	28.2	114	69.1	84.0	100	109
Medicines, mln. US dollars	1091	3817	9240	10662	11659	10059	6751	6936
Knitwear and textile apparel, mln. US dollars	106	759	5176	6379	7366	7111	4718	4753
Leather footwear, mln. pairs	2.8	11.4	97.2	80.5	79.5	64.1	44.4	34.3
Pig irons, mln. US dollars	141	714	2659	3354	2960	2855	1911	1706
Pipes (iron), thou. ton	270	342	735	264	418	303	201	189
Machinery, equipment and transport means, mln. US dollars	8085	38430	92618	141780	140274	127996	77619	81803
combined refrigerators freezers thou. pieces	...	922	1021	995	885	808	409	407
computers and s.p., mln. US dollars	201	1350	4811	5705	4733	4647	3979	3813
mobile phones for cellular networks, thou. pieces	...	...	47955	48874	53553	50528	46772	44922
passenger cars, thou. pieces	57.5	719	582	973	818	671	337	253
trucks, thou. pieces	7.7	40.5	52.7	115	85.1	58.9	20.1	16.6



## FOREIGN TRADE PRICES

## 27.20. AVERAGE EXPORT PRICES FOR BASIC PRODUCTS

(US dollars per ton)

	2000	2005	2010	2012	2013	2014	2015	2016
Fresh and frozen fish	1081	1197	1513	1658	1629	1843	1682	1638
Wheat and meslin	117	110	175	282	252	245	186	166
Iron ore and concentrates	15.8	47.7	83.4	97.7	93.0	84.8	47.7	43.3
Coal	26.3	47.2	79.4	100	85.1	76.0	62.1	53.6
Crude oil	175	330	546	754	734	689	366	289
Petroleum products	174	348	529	750	721	701	393	295
Natural gas, per 1000 cu. m	85.9	151	273	346	342	317	226	157
Electric power, per 1 mln. kWh	16855	28575	53945	53243	53969	50267	40782	37303
Mineral nitrogen fertilizers:								
physical weight recalculated as 100% of nutrients	58.0	139	199	317	284	267	230	170
Mineral potash fertilizers:								
physical weight recalculated as 100% of nutrients	143	225	470	670	563	425	436	322
Mineral mixed fertilizers	102	175	343	456	390	367	364	282
Wood in the rough, per cu. m	43.4	59.6	87.1	86.7	86.1	84.9	69.1	67.4
Steel-making iron	83.7	264	369	418	391	388	259	228
Copper	1677	3447	7216	7577	7288	6636	5457	4703
Crude nickel	8641	13563	21790	16982	15216	16326	11382	9173
Crude aluminum	1298	1316	1817	1819	1839	1824	1741	1433
Passenger cars, per piece	3167	4819	6482	8754	10814	11555	11395	16142
Trucks, per piece	11715	10225	22430	27334	22540	22641	22602	24670



**27.21. AVERAGE EXPORT PRICES FOR BASIC PRODUCTS  
IN TRADE WITH THE CIS COUNTRIES**  
(US dollars per ton)

	2000	2005	2010	2012	2013	2014	2015	2016
Frozen and fresh fish	658	834	1338	1460	1385	1371	1058	1169
Wheat and meslin	126	114	192	295	258	230	192	171
Iron ore and concentrates	14.0	38.2	57.6	83.8	72.5	70.1	38.4	37.1
Coal	31.3	65.5	87.9	122	95.7	92.9	73.2	65.2
Crude oil	140	253	430	398	391	344	246	219
Petroleum products	218	366	573	659	717	691	490	369
Electric power, per 1 mln. kWh	13970	21930	44890	58189	58101	54053	41722	41142
Mineral nitrogen fertilizers:								
physical weight	59.9	125	209	322	309	256	226	181
recalculated as 100% of nutrients	171	376	538	973	867	748	666	519
Mineral potash fertilizers:								
physical weight	127	119	400	452	444	298	288	277
recalculated as 100% of nutrients	329	223	741	758	780	507	484	482
Mineral mixed fertilizers	220	201	363	496	442	382	359	293
Wood in the rough, per cu. m	37.5	53.6	72.6	76.5	72.0	64.7	42.9	41.5
Steel-making iron	158	273	467	409	492	448	314	250
Copper	2004	2432	5800	6320	6128	4922	3692	3245
Crude nickel	13297	15242	30776	32483	28930	26417	20073	14057
Crude aluminum	1757	1768	2113	2160	2188	2014	1957	1680
Passenger cars, per piece	3289	4901	6188	8759	10939	11469	9995	12196
Trucks, per piece	10202	9150	15965	23546	17916	18635	15674	17697



**27.22. AVERAGE EXPORT PRICES  
FOR BASIC PRODUCTS IN TRADE WITH OTHER COUNTRIES**  
(US dollars per ton)

	2000	2005	2010	2012	2013	2014	2015	2016
Frozen and fresh fish	1114	1234	1517	1661	1636	1861	1704	1656
Wheat and meslin	84.2	109	174	281	252	246	186	166
Iron ore and concentrates	17.7	49.3	87.5	99.0	96.5	87.1	49.2	43.9
Coal	25.5	45.0	78.3	97.6	84.1	74.8	61.3	52.8
Crude oil	180	344	557	802	781	730	379	295
Petroleum products	172	348	527	763	722	701	388	291
Electric power, per 1 mln. kWh	16886	33157	54229	50904	52209	49115	40201	35966
Mineral nitrogen fertiliz- ers:								
physical weight	57.9	140	198	316	281	268	231	169
recalculated as 100% of nutrients	152	367	516	826	734	698	598	430
Mineral potash fertilizers:								
physical weight	86.6	136	283	406	346	258	264	195
recalculated as 100% of nutrients	143	225	469	670	562	424	436	321
Mineral mixed fertilizers	102	173	340	450	383	365	364	280
Wood in the rough, per cu. m	43.4	59.7	87.3	87.0	86.6	85.5	70.0	68.0
Steel-making iron	80.7	263	363	418	387	386	258	228
Copper	1675	3456	7225	7623	7342	6668	5487	4733
Crude nickel	8627	13560	21773	16948	15196	16309	11373	9163
Crude aluminum	1296	1313	1813	1811	1829	1819	1737	1428
Passenger cars, per piece	3080	4604	7776	8649	8168	13964	22108	23679
Trucks, per piece	13816	14913	42628	64145	45995	36700	41845	34308



**27.23. AVERAGE IMPORT PRICES  
FOR BASIC PRODUCTS**  
(US dollars per ton)

	2000	2005	2010	2012	2013	2014	2015	2016
Fresh and frozen meat (excluding poultry)	1145	1460	2928	3894	3932	4223	3322	2822
Fresh and frozen poultry meat	542	651	1367	1591	1609	1764	1430	1413
Fresh and frozen fish	383	1039	2137	2655	2999	2997	2562	2734
Butter and other milk fats	1389	1845	3751	3911	4835	4936	3245	3794
Citrus fruit, fresh or dried	285	508	859	957	984	899	775	760
Coffee	1551	1789	3254	4064	3598	3699	3263	3012
Grains	118	170	522	438	418	563	439	334
Sunflower, safflower or cotton-seed oil and fractions thereof	591	878	1042	1297	1304	1256	1135	853
Prepared or preserved products of meat	1344	1724	4248	4669	4761	4719	3738	3201
Raw sugar	152	257	555	574	484	420	378	426
Refined sugar	297	428	745	682	598	628	364	533
Ore and concentrates aluminum	50.8	68.9	285	149	210	198	161	140
Leather footwear, per pair	12.7	14.9	22.6	24.1	25.1	26.4	23.9	24.5
Pipes (iron)	535	1033	1398	1773	1847	1738	1630	1546
Combined refrigerators freezers, per piece	...	262	341	361	378	339	273	266
Mobile phones for cellular networks, per piece	...	...	74.0	82.7	87.8	92.5	69.3	89.6
Passenger cars, per piece	6259	9988	16234	18692	19010	18693	18556	22578
Trucks, per piece	18127	20719	31234	31019	33110	33696	37793	50776



**27.24. AVERAGE IMPORT PRICES  
FOR BASIC PRODUCTS IN TRADE WITH THE CIS COUNTRIES**  
(US dollars per ton)

	2000	2005	2010	2012	2013	2014	2015	2016
Fresh and frozen meat (excluding poultry)	1284	2376	3550	4555	3898	4179	2957	3015
Fresh and frozen poultry meat	814	1655	2024	2284	2009	2279	1498	1496
Fresh and frozen fish	497	613	1260	4446	3683	3631	2006	1645
Butter and other milk fats	1360	1806	4410	3591	5353	4955	3156	3836
Citrus fruit, fresh or dried	298	340	602	712	484	352	226	228
Coffee	3575	2096	3934	4468	8830	4695	4497	4660
Grains	898	119	198	248	270	263	179	146
Sunflower, safflower or cotton-seed oil and fractions thereof	675	878	1036	1279	1288	1229	1076	790
Prepared or preserved products of meat	1175	1670	4303	4876	4126	1600	3110	2549
Raw sugar	525	490	800	678	683	793	644	542
Refined sugar	330	445	758	769	626	649	351	528
Ore and concentrates aluminum	32.3	124	169	213	212	214	215	199
Leather footwear, per pair	10.6	15.1	20.2	27.2	22.3	20.2	16.1	5.9
Pipes (iron)	422	863	1048	1200	1300	1123	911	800
Combined refrigerators freezers, per piece	...	300	292	282	275	230	201	208
Mobile phones for cellular networks, per piece	...	...	74.0	111	25.9	309	24.9	2.2
Passenger cars, per piece	5522	5911	6111	7258	7439	7865	11324	14751
Trucks, per piece	29014	44402	101913	139855	142285	141187	171906	128228





**27.25. AVERAGE IMPORT PRICES  
FOR BASIC PRODUCTS IN TRADE  
WITH OTHER COUNTRIES**  
(US dollars per ton)

	2000	2005	2010	2012	2013	2014	2015	2016
Fresh and frozen meat (excluding poultry)	1072	1355	2850	3857	3936	4229	3436	2764
Fresh and frozen poultry meat	535	643	1328	1453	1488	1608	1363	1325
Frozen and fresh fish	373	1053	2145	2640	2988	2986	2575	2773
Butter and other milk fats	1454	1891	3282	4088	4587	4920	3586	3654
Citrus fruit, fresh or dried	284	517	860	957	987	903	788	768
Coffee	1521	1785	3250	4062	3545	3696	3258	3006
Grains	159	237	630	539	681	916	925	848
Sunflower, safflower or cotton-seed oil and fractions thereof	449	873	1700	1667	1537	1534	1795	1596
Prepared or preserved products of meat	1592	1774	4222	4608	5087	4998	4539	4946
Raw sugar	152	257	555	574	484	419	375	411
Refined sugar	274	299	704	676	584	536	448	554
Iron ore and concentrates aluminum	50.8	68.9	291	146	210	197	160	139
Leather footwear, for pair	16.1	14.8	22.7	23.9	25.4	27.0	24.6	30.3
Pipes (iron)	873	1374	1746	2962	2414	2494	2364	2682
Combined refrigerators freezers, per piece	...	227	370	407	426	410	363	341
Mobile phones for cellular networks, per piece	...	...	74.0	82.7	88.3	89.8	70.0	90.5
Passenger cars, per piece	6442	10302	18463	19973	20085	19219	18840	23014
Trucks, per piece	16299	15096	22853	26026	27936	28940	24106	33482



## 28. INTERNATIONAL COMPARISONS

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The section contains indicators of socio-economic development of Russia as compared with other countries of the world. The tables have been prepared using statistical publications of international organizations (UN, OECD, Eurostat, the Interstate Statistical Committee of the CIS and other) and national statistical offices. Data relating to Russia and other countries of the world have been made comparable with due regard for certain peculiarities of statistical indicators compilation in various countries. For some indicators of foreign countries presented data are preliminary.

To ensure international comparability of macroeconomic data, characterizing the level of development of the economy, at the end of 60-ies UN Statistical Division in cooperation with other international organizations, national statistical offices and research institutes designed the Project of international comparisons (since 1989 - International Comparison Program (UN ICP) based on purchasing power parities (PPP) of national currencies.

The adoption of the program is explained by the fact that conversion of national value indicators into unified currency on the basis of exchange rates does not reflect adequately comparable purchasing power parity of national currency in internal markets.

Recalculation of GDP by currency exchange rate for transition and developing countries leads to data distortion due to various factors: actual currency rate does not reflect initial economic potential, changes of the rate do not coincide with changes of inflation in internal markets, daily fluctuations of the rate have speculative character, etc.

Previous phases of ICP were held in 1970, 1973, 1975, 1980, 1985, 1993, 2005 base years. Due to the growing number of comparison's participants since 1980 international comparisons were organized on a regional basis once every 3-5 years. European countries participated in European comparison programs (ECP, 1980, 1985, 1990, 1993, 1996, 1999 phases). At end of 1990s the vast majority of European countries became member-states of the European Union; and EU comparisons coordinated by Eurostat were held annually under administrative usage of the comparisons'



results. Non-European country-members of the OECD are still remaining on three-year cycle - 2002, 2005, 2008, 2011, 2014. Therefore joint OECD-Eurostat comparisons are conducted every three years.

Since 1993 the Russian Federation participated in international comparisons of the GDP for 1993, 1996, 1999, 2002, 2005, 2008, 2011 and 2014.

The base approach to international macroeconomic comparisons is as follows:

1. GDP of each country is divided into a number of homogeneous groups ("basic headings") by components of GDP final use (households' final consumption expenditures, final consumption expenditures of government institutions, gross capital formation, changes in inventory and net acquisition of valuables and net exports of goods and services). In the international comparisons of the GDP the number of primary headings varies, depending on the region, from 155 to 224.

2. Registration of national prices for selected representative items is carried out by agreed list of goods and services in the framework of each basic heading. According to the procedure each country was proposed to include in the item list for each basic heading at least one product representative for the structure of national consumption. While estimation of purchasing power parities, information on typical features of representative goods for internal market was taken into account. About 3000 consumer and investment items were included in the item list of representative items for 2014 comparisons. To compile PPP at the level of basic headings the price ratio for selected items were aggregated. Then these PPP were weighted using structure of expenditures weights to compute PPP for each level of aggregation up to the GDP level. The methodology used permits to obtain results of the comparison that are independent on a chosen currency unit and on a base country.

3. Final value consumption expenditures (GDP) in national currency for all levels of aggregation are recomputed in "internationally comparable" using respective PPP's.

Main indicators estimated in the framework of international comparisons are the following:

**purchasing power parities (PPP)** - represent the number of currency units required for purchase of some standard set of commodities and services, which may be bought for one currency unit of the base country (or for a common currency unit of countries'



group). For instance, 100 US dollars are required to buy the hypothetical basket of commodities in the USA in 2011. In Russia 1735 roubles were required to buy the same basket of commodities. In the OECD-Eurostat comparisons PPP are traditionally expressed in USD, in European Union - in standard purchasing power (SPP) (equivalent to euro);

**GDP volume indices and GDP volume per capita indices**- the ratio of GDP and ratio of GDP per capita of a country which is compared to GDP and GDP per capita of the basic country (group of countries). Nominal value indicators in national currency are recalculated using PPP in a real value;

**comparative level of price** - calculated as the ratio of PPP to the exchange rate. A difference between PPP and the exchange rate is used as the criterion for revealing «cheaper» or «more expensive» countries in comparison with the other country. Comparative price indices are also be compiled for every component of GDP expenditures. This indicator (which is widely used by tourists) is used to divide countries on «cheap» (with low prices) and «expensive» (with high national prices). The following regularity was revealed: the higher GDP volume per capita corresponds to the higher comparative price. Sharp change in comparative price level for the time usually shows considerable change in the situation of the country in international markets.

Due to the fact that the comparison results are usually obtained relatively late, there is an issue of evaluating the comparisons results between rounds of comparisons. To derive annual estimates OECD and Eurostat conduct annual comparisons. Dynamic range of countries' PPP is revised progressively as the information base is updated.

The handbook presents the revised annual GDP estimates carried out by the OECD and Eurostat.



**28.1. COMPARATIVE DATA ON SELECTED COUNTRIES  
OF THE WORLD <sup>1)</sup>**

	Mid-year annual pop- ulation <sup>2)</sup> , mln. persons	Number of employed population mln. persons	Gross Domestic Product <sup>3)</sup> 2005=100	Indices of household's expendi- tures on final con- sumption 2005=100	Industrial production index 2005=100	Agricultural production index 2005=100	Consumer price index 2005=100
<b>Russia</b>	<b>146.7</b>	<b>72.4</b>	<b>102.4<sup>4)</sup></b>	<b>136.4</b>	<b>122.9<sup>5)</sup></b>	<b>146.2</b>	<b>264.0</b>
<b>CIS countries</b>							
of which:							
Azerbaijan	9.8	4.8	231.4	287.3 <sup>6)</sup>	191	142	217
Armenia	3.0	1.0	100.2 <sup>7);8)</sup>	100.9 <sup>7);8)</sup>	160	145	161
Belarus	9.5	4.4	97.4 <sup>7);8)</sup>	97.6 <sup>6);7);8)</sup>	152	140	702
Kazakhstan	17.8	8.6	101.0 <sup>7);8)</sup>	101.8 <sup>6);7);8)</sup>	137	137	254
Kyrgyzstan	6.1	2.4	163.5	155.0 <sup>6)</sup>	136	126	246
Republic of Moldova <sup>9)</sup>	3.6	1.2	147.7	145.6	108	124	221
Tajikistan	8.6	2.4	206.5	212.8 <sup>6)</sup>	188	205	276
Uzbekistan	31.8	13.3	239.5	...	258	199	...
Ukraine	42.5	16.3	95.7	136.2 <sup>7)</sup>	78	145	402
<b>EU countries</b>							
of which:							
Austria	8.6	4.1	112	107	121 <sup>10)</sup>	107 <sup>11)</sup>	121
Belgium	11.3	4.6	112	112	121 <sup>10)</sup>	111 <sup>11)</sup>	120
Bulgaria	7.2	3.0	125	134	108 <sup>10)</sup>	156 <sup>11)</sup>	147
Hungary	9.8	4.2	108	95	131 <sup>10)</sup>	122 <sup>11)</sup>	145
Germany	81.2	40.2	115	109	114 <sup>10)</sup>	112 <sup>11)</sup>	107 <sup>12)</sup>
Greece	10.9	3.6	81	82	89 <sup>10);12)</sup>	94 <sup>11)</sup>	118
Denmark	5.7	2.8	103	106	105 <sup>10);12)</sup>	104 <sup>11)</sup>	119
Ireland	4.6	2.0	140	112	159 <sup>10);12)</sup>	100.3 <sup>11)</sup>	112
Spain	46.5	17.9	105	98	95 <sup>10);12)</sup>	101 <sup>11)</sup>	107 <sup>12)</sup>
Italy	60.8	22.5	95	96	82 <sup>10)</sup>	94 <sup>11)</sup>	108 <sup>12)</sup>
Netherlands	16.9	8.3	110	100.1	99.8 <sup>10)</sup>	113 <sup>11)</sup>	...
Poland	38.0	16.1	146	138	120 <sup>10);12)</sup>	110 <sup>11)</sup>	124
Portugal	10.4	4.5	98	99	97 <sup>10);12)</sup>	109 <sup>11)</sup>	116
United King- dom	64.9	31.1	113	109	99 <sup>10);12)</sup>	110 <sup>11)</sup>	128
France	64.4	26.4	109	110	101 <sup>10);12)</sup>	108 <sup>11)</sup>	114
Sweden	9.7	4.8	119	123	97 <sup>10);12)</sup>	104 <sup>11)</sup>	104 <sup>12)</sup>



Continued table 28.1

	Mid-year annual population <sup>2)</sup> , mln. persons	Number of employed population mln. persons	Gross Domestic Product <sup>3)</sup> 2005=100	Indices of household's expenditures on final consumption 2005=100	Industrial production index 2005=100	Agricultural production index 2005=100	Consumer price index 2005=100
<b>Other countries</b>							
of which:							
Australia	23.8	11.8	131	132 <sup>13)</sup>	114 <sup>10);12)</sup>	117 <sup>11)</sup>	130
India	1254.0	...	206	193 <sup>11);13)</sup>	167	125 <sup>11)</sup>	222
Canada	35.8	17.9	118	131	110 <sup>10);12)</sup>	109 <sup>11)</sup>	118
China	1371.2	774.5	249	218 <sup>11);13)</sup>	...	...	133
Mexico	121.0	50.6	126	128	112 <sup>10)</sup>	115 <sup>11)</sup>	148
Norway	5.2	2.6	114	132	86 <sup>10)</sup>	103 <sup>11)</sup>	122
New Zealand	4.6	2.4	123	126	105 <sup>10);12)</sup>	114 <sup>11)</sup>	124
Republic of Korea	50.6	25.9	142	127	108 <sup>10);12)</sup>	102 <sup>11)</sup>	110 <sup>12)</sup>
USA	321.4	148.8	115	118 <sup>13)</sup>	105 <sup>10)</sup>	108 <sup>11)</sup>	121
Turkey	77.7	26.6	145	158 <sup>13)</sup>	145 <sup>10)</sup>	121 <sup>11)</sup>	222
Japan	127.0	63.8	105	105	92 <sup>10)</sup>	96 <sup>11)</sup>	104 <sup>12)</sup>

<sup>1)</sup> For Russia and other CIS countries data is given for 2016. For other countries - for 2015.

<sup>2)</sup> For majority of countries is given the size of resident population. For the CIS countries data is preliminary.

<sup>3)</sup> While estimating the GDP indices, data of OECD, the World Bank, IMF, the CIS Statistical Committee as well as national sources were used.

<sup>4)</sup> 2011=100. See footnote, page 183.

<sup>5)</sup> Aggregate production index for economic activities «Mining and quarrying». «Manufacturing». «Electricity, gas and water supply». Taking into account adjustments for informal activities».

<sup>6)</sup> Data for 2015.

<sup>7)</sup> With regard to selected provisions of the 2008 SNA.

<sup>8)</sup> Percent of the previous year.

<sup>9)</sup> Excluding data on the territories of left-bank of Dnestr river and Bendery city.

<sup>10)</sup> Aggregate production index for economic activities (branches) «Mining and quarrying, and excavation», «Manufacturing». «Electricity, gas, steam and air conditioning supply», «Water supply, wastewater system, refuse disposal and environmental restoration measures» in line with the International Standard Industrial Classification of All Economic Activities (Rev. 4).

<sup>11)</sup> 2014 percent of 2005.

<sup>12)</sup> 2010= 100.

<sup>13)</sup> Index of expenditures on final consumption of households and non-profit institutions serving households.



### 28.2. RUSSIA RANKING IN THE WORLD PRODUCTION OF SELECTED INDUSTRIAL AND AGRICULTURAL PRODUCTS in 2015

Industrial and agricultural products	Ranking place of Russia
Sugar beet	1
Natural and associated gas	2
Crude oil (including gas condensate), potatoes	3
Electric power, pig iron, cereals and legumes, meat and poultry (slaughter weight)	4
Wood removal, hydraulic cements	5
Coal, steel, cotton fabrics, cow milk	6
Wool fabrics, footwear with leather uppers	11
Passenger cars (including assembly)	12
Paper and paperboard	13

### 28.3. ANNUAL ESTIMATES OF SELECTED GDP INDICATORS IN COMPARABLE FOREIGN CURRENCY <sup>1)</sup>

	Purchasing power parity (national currency per 1 US Dollar)			GDP at PPP, (bln. US dollars)			GDP at PPP per capita (US dollars)		
	2013	2014	2015	2013	2014	2015	2013	2014	2015
<b>Russia</b>	19.42	21.28	23.98	3656.6	3722	3470.2	25481	25477	23703
<b>EU countries</b>									
of which:									
Australia	0.797	0.796	0.797	404.7	415.3	426.6	47734	48603	49440
Belgium	0.806	0.798	0.798	485.9	502.1	514.3	43755	45005	45873
Hungary	125.0	128.8	130.7	241.1	251.5	260.2	24366	25494	26446
Germany	0.775	0.767	0.774	3647.8	3810.9	3920.9	45232	47058	47999
Greece	0.631	0.618	0.616	286.2	287.9	285.2	26098	26431	26268
Denmark	7.355	7.329	7.282	262.4	269.8	278.4	46743	47810	48994
Ireland	0.811	0.816	0.805	222.1	236.7	317.9	48273	51292	68481
Spain	0.675	0.663	0.667	1519.9	1564.5	1611.6	32621	33677	34727
Italy	0.737	0.735	0.727	2176.3	2206.3	2262.5	35885	36294	37255
Latvia	0.499	0.496	0.495	45.6	47.6	49.2	22675	23881	24902
Lithuania	0.443	0.443	0.444	78.9	82.6	84.0	26693	28154	28913
Luxembourg	0.895	0.882	0.882	51.8	55.9	58.1	94950	100053	102131
Netherlands	0.798	0.802	0.806	817.8	826.6	839.3	48679	49018	49570



## 28. INTERNATIONAL COMPARISONS

Continued table 28.3

	Purchasing power parity (national currency per 1 US Dollar)			GDP at PPP, (bln. US dollars)			GDP at PPP per capita (US dollars)		
	2013	2014	2015	2013	2014	2015	2013	2014	2015
Poland	1.762	1.760	1.764	940.3	977.2	1019.6	24422	25392	26513
Portugal	0.584	0.578	0.584	291.8	299.6	307.6	27899	28806	29694
Slovakia	0.491	0.483	0.485	151.0	157.2	162.2	27900	29021	29915
Slovenia	0.590	0.584	0.585	60.8	63.9	66.0	29538	30997	31968
United Kingdom	0.695	0.693	0.688	2502.1	2630.4	2720.3	39030	40719	41779
Finland	0.905	0.906	0.904	224.6	226.7	231.6	41293	41504	42268
France	0.812	0.805	0.800	2606.1	2658.5	2727.0	39531	40142	41005
Czech Republic	12.79	12.67	12.80	320.5	340.6	355.9	30496	32359	33753
Sweden	8.598	8.750	8.922	438.5	449.9	468.6	45673	46405	47823
Estonia	0.522	0.527	0.532	36.2	37.5	38.1	27389	28516	28993
<b>Other countries</b>									
of which:									
Australia	1.447	1.459	1.463	1098.9	1108.2	1131.5	47086	46832	47017
Israel	3.840	3.850	3.800	275.8	287.0	306.3	34240	34945	36560
Iceland	137.0	138.3	140.3	13.8	14.5	15.8	42632	44292	47679
Canada	1.224	1.238	1.253	1550.3	1602.4	1584.7	44098	45083	44201
Mexico	7.884	8.002	8.403	2039.3	2151.6	2165.3	17225	17973	17894
New Zealand	1.446	1.443	1.444	160.8	167.2	172.5	36056	36881	37322
Norway	9.029	9.311	9.682	340.1	337.3	322.0	66954	65658	62025
Republic of Korea	869.1	870.7	890.7	1644.8	1706.7	1749.8	32751	33847	34569
USA	1	1	1	16691.5	17393.1	18036.6	52689	54484	56066
Turkey	1.070	1.148	1.242	1690.9	1780.3	1882.8	22314	23236	24309
Chile	349.7	366.1	378.8	392.4	403.1	415.9	22248	22597	23046
Switzerland	1.312	1.284	1.247	483.6	501.4	517.6	59788	61228	62500
Japan	101.3	102.5	102.6	4729.2	4751.9	4868.7	37141	37381	38401

<sup>1)</sup> Based on results of international comparisons of GDP for 2014.





# **RUSSIA IN FIGURES. 2017**

## **Statistical Handbook**

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