



HIGHER SCHOOL OF ECONOMICS
NATIONAL RESEARCH UNIVERSITY



Institute for Statistical Studies
and Economics of Knowledge

INFORMATION SOCIETY: TRENDS IN REGIONS OF THE RUSSIAN FEDERATION

Data Book



HIGHER SCHOOL OF ECONOMICS
NATIONAL RESEARCH UNIVERSITY



Institute for Statistical Studies
and Economics of Knowledge

INFORMATION SOCIETY: TRENDS IN REGIONS OF THE RUSSIAN FEDERATION

Data Book

Moscow 2014

Editors: Gulnara Abdrakhmanova, Leonid Gokhberg

Authors: Gulnara Abdrakhmanova, Leonid Gokhberg, Galina Kovaleva

Information Society: Trends in Regions of the Russian Federation : data book. – Moscow : National Research University – Higher School of Economics, 2014. – 156 p.

The data book is issued for the first time by Institute for Statistical Studies and Economics of Knowledge of the National Research University – Higher School of Economics (HSE ISSEK) together with Federal State Statistics Service and presents the main trends in information society development in the subjects of the Russian Federation. It contains information that characterises the sector of information and communication technologies (ICT), ICT infrastructure, and ICT usage by households and organisations.

The publication contains data provided by the Federal State Statistics Service and the Ministry of Telecom and Mass Media of the Russian Federation. When constructing the indicators the authors used the methodology developed by HSE ISSEK, which was then harmonised with the approaches adopted by international organisations.

The publication is designed for a wide range of readers interested in information society development issues, including public authorities, experts, scientific personnel, and those working with universities and businesses.

© National Research University – Higher School of Economics (HSE), 2014
Reference is mandatory in case of reproduction

Contents

Introduction.....	5	3.3. ICT sector enterprises by economic activity: 2012	56
1. Main Information Society Indicators.....	7	3.4. ICT sector employment: 2012	61
1.1. Main information society indicators in the Russian Federation.....	8	3.5. Percentage distribution of ICT related goods and services sales by type	66
1.2. Differentiation of Russian regions by main information society indicators: 2012	10	4. ICT Usage by Households.....	71
2. ICT Infrastructure.....	11	4.1. Households with personal computers and Internet access by federal district: 2012	72
2.1. Fixed and wireless broadband Internet subscribers per 100 inhabitants by federal district: 2012	12	4.2. Ranking of regions of the Russian Federation by the share of households with ICT equipment in the total number of households: 2012	73
2.2. Ranking of regions of the Russian Federation by main ICT infrastructure indicators: 2012.....	13	4.3. Households with telephones.....	78
2.3. Fixed and mobile-cellular telephone communication	18	4.4. Households with personal computers and Internet access.....	83
2.4. Digitalization of local telephone network.....	23	4.5. Personal computers and mobile cellular telephones per 100 households.....	88
2.5. Internet access	28	5. ICT Usage by Enterprises	93
2.6. Availability of radio and analogue terrestrial TV broadcasting services.....	33	5.1. Enterprises with Internet access and a website by federal district: 2012	94
2.7. Availability of digital and cable TV broadcasting services.....	38	5.2. Ranking of regions of the Russian Federation by the share of enterprises with Internet access and a website in the total number of enterprises: 2012.....	95
2.8. Tariffs for communication services.....	43	5.3. Enterprises using ICT.....	100
3. ICT Sector.....	49	5.4. Enterprises using broadband Internet	105
3.1. The ICT sector in the economy: 2012.....	50	5.5. Enterprises using the Internet to interact with customers and suppliers	110
3.2. Ranking of regions of the Russian Federation by the share of the ICT sector in the total number of enterprises and total employment: 2012	51		

5.6. Enterprises using the Internet to interact with public authorities	115
5.7. ICT usage in business enterprise sector: 2012	120
5.8. ICT usage by public authorities: 2012	125
5.9. ICT usage by cultural institutions: 2012	130
5.10. ICT usage by health care institutions	135
5.11. Personal computers used for educational purposes per 100 students	140
5.12. ICT usage by higher education institutions: 2012	145
Glossary	150

Introduction

The rapid spread of information and communication technologies (ICTs) and their impact on all spheres of modern life – production processes, the interaction of individuals and organisations with public authorities, the development of social infrastructure, and privacy issues – has stimulated interest in the statistical estimates of the ICT sector's prospects at the national and regional levels.

Selecting indicators that reflect trends in ICT development in Russian regions, the authors referred to the objectives of the Strategy for Information Society Development in the Russian Federation, approved by the President of the Russian Federation on February 7, 2008, and the state program 'Information Society (2011–2020)', approved by the Federal Government on October 20, 2010. At the same time, the authors have taken into account the methodology and approaches of international organisations (ITU, OECD, Eurostat, etc.), as well as the experience gained in the field of national statistics.

The book uses data of the Federal State Statistics Service and the Ministry of Telecom and Mass Media of the Russian Federation, available at the time of publication. When constructing performance indicators the authors used the methodology developed by ISSEK HSE, which was then harmonised with the approaches adopted by international organisations.

The databook consists of five thematic sections and a glossary of terms and notions.

Section 1, 'Main Information Society Indicators', provides statistical data for the Russian Federation in general, as well as assesses the

degree of differentiation of regions by key parameters of the Information Society.

Section 2, 'ICT infrastructure', contains indicators of fixed and mobile communications, Internet access, as well as tariffs for telecommunication services.

In Section 3, 'The ICT sector', data is collected on the number of organisations and people employed in the sector, as well as distribution of ICT-related goods and services sales.

Section 4, 'ICT usage by households', presents indicators of the presence of the main types of ICT (both fixed and mobile phones, personal computers, the Internet) in households.

Section 5, 'ICT usage by enterprises', includes information about the spread of ICT in organisations, the development of e-commerce, and electronic interaction with authorities. Indicators of ICT usage are considered for the overall economy, as well as for the business sector, public authorities, and the social sphere.

Data on the ICT usage by public authorities was formed for the following groups of the Russian Classification of State Government and Management Units: 'Government authorities in regions of the Russian Federation' (20000), 'Local government in the Russian Federation' (30000); data on the ICT usage by cultural institutions was formed by economic activity according to RCEA (Rev. 1.1) for the following groups: 'Libraries, archives, public clubs' activity' (92.51), 'Museums' activity and preservation of historical sites and buildings' (92.52); data on the ICT usage by health care institutions was formed

according to the economic activity 'Activities of health care institutions' (85.11).

The information on ICT usage by educational institutions does not use the terminology introduced by Federal Law № 273 'On Education in the Russian Federation' of 29 December 2012, due to temporary differences between the law's entry into force and subsequent updating of statistical monitoring tools. Sections 2–5 show the results of ranking of

the subjects of the Russian Federation by main indicators of ICT infrastructure, the ICT sector, and ICT usage by households and enterprises.

The statistical databook 'Information Society Indicators: 2013', prepared by HSE ISSEK in partnership with the Ministry of Telecom and the Russian Federal State Statistics Service, provides detailed information on the development of the information society in Russia, as well as comparative data on foreign countries.

1. Main Information Society Indicators



1.1. Main information society indicators in the Russian Federation

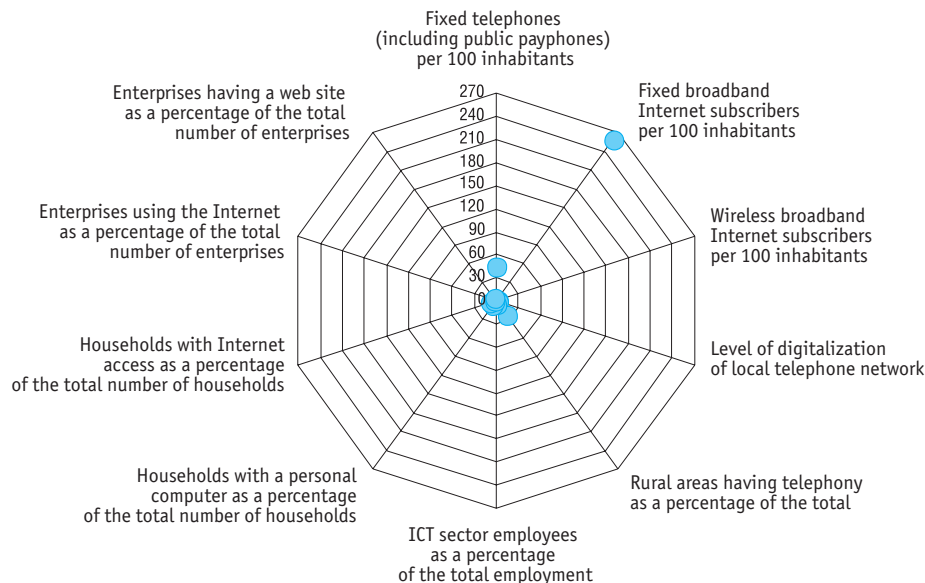
	2010	2011	2012
ICT Infrastructure			
Communication devices per 100 inhabitants:			
fixed telephones (including public payphones)	31.4	30.9	30.1
mobile cellular telephones	166.4	179.0	182.7
Broadband Internet subscribers per 100 inhabitants:			
fixed	...	12.2	14.4
wireless	...	47.8	63.6
Local telephone network digitization level, <i>per cent</i>	81.0	85.3	86.4
Rural areas having telephony, <i>as a percentage of the total</i>	90.1	90.1	90.0
ICT Sector			
Number of enterprises, <i>at the end of the year</i> :			
total, <i>thousand</i>	138.3	145.0	149.5
as a percentage of the total number of enterprises	2.9	3.0	3.1
Number of employees:			
total, <i>thousand</i>	1306	1268	1294
as a percentage of the total employment	2.8	2.8	2.8
ICT Usage by Households			
Households with (as a percentage of the total number of households):			
fixed telephones	70.3	69.2	65.2
mobile cellular telephones	93.3	94.7	96.0
personal computers	54.5	60.1	66.5
Internet access	48.4	56.8	60.3

(continued)

	2010	2011	2012
ICT Usage by Enterprises			
Enterprises Using the Internet as a percentage of the total number of enterprises:			
total	82.4	84.8	86.9
of which:			
business enterprises	84.5	85.9	87.0
public authorities	84.8	89.2	92.3
cultural institutions	49.8	56.2	64.3
healthcare institutions	93.7	93.9	95.4
higher education institutions	97.1	97.6	98.1
Enterprises with a website as a percentage of the total number of enterprises:			
total	28.5	33.0	37.8
of which:			
business enterprises	34.6	37.4	40.2
public authorities	22.1	29.2	37.6
cultural institutions	11.1	14.0	17.9
health care institutions	25.8	47.2	59.3
higher education institutions	77.2	79.1	83.2

1.2. Differentiation of Russian regions by main information society indicators: 2012

(the ratio of the maximal value of the indicator to its minimal value)

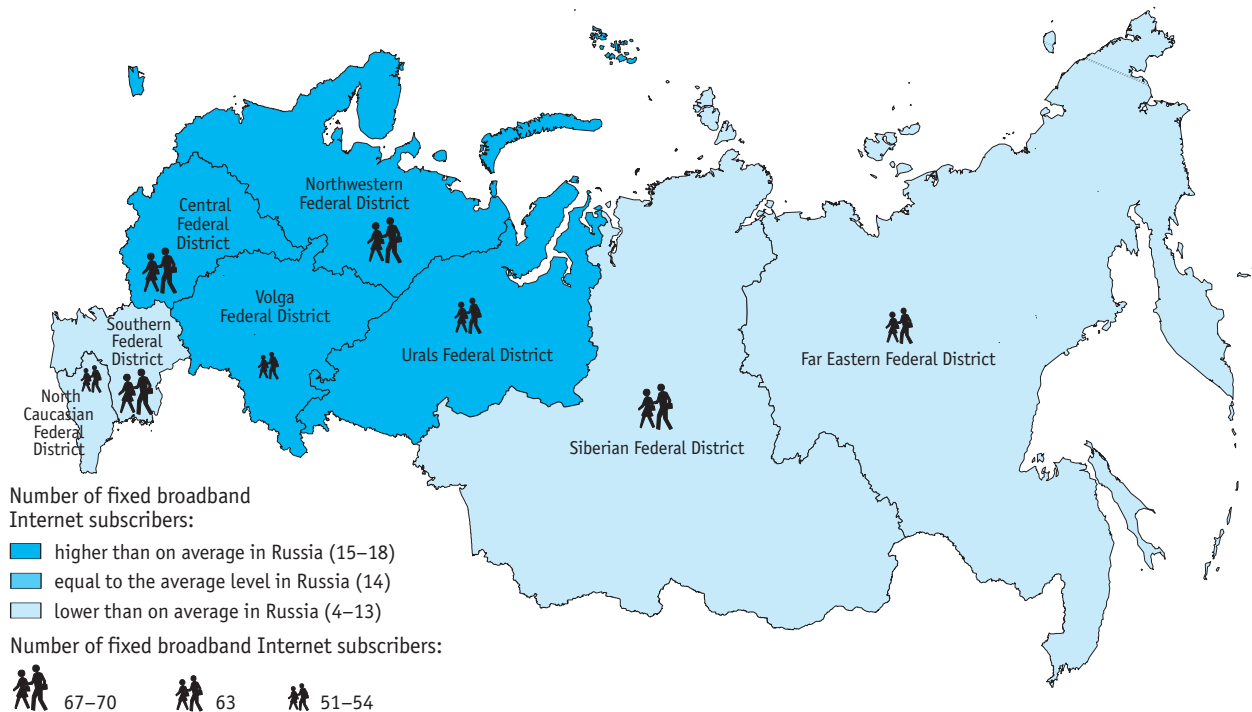


2. ICT Infrastructure



2.1. Fixed and wireless broadband Internet subscribers per 100 inhabitants by federal district: 2012

(at the end of the year)



2.2. Ranking of regions of the Russian Federation by main ICT infrastructure indicators: 2012*

	Telephones (including public payphones) per 100 inhabitants	Mobile cellular subscriptions per 100 inhabitants	Rural areas having telephony, <i>as a percentage of the total</i>	Level of digitization of local telephone network, <i>per cent</i>	Fixed broadband Internet subscribers per 100 inhabitants	Wireless broadband Internet subscribers per 100 inhabitants
Central Federal District	2	2	7	4	4	4
Belgorod Region	50	49	45	76	61	44–45
Bryansk Region	51	50	1–14	73	42	67
Vladimir Region	41–42	56–57	66	74	43–44	59
Voronezh Region	26–27	56–57	29	58	21–22	66
Ivanovo Region	58	32	76	78	56–58	31
Kaluga Region	10	28–29	62	59	24–26	37
Kostroma Region	25	27	72	69	20	40
Kursk Region	68–69	45	22–25	80	56–58	49
Lipetsk Region	24	63–64	43–44	47	46–47	73
Moscow Region	47–48	4–5	52	51	68	7–8
Oryol Region	54	24	1–14	77	48	47–48
Ryazan Region	40	47	57	65	55	52
Smolensk Region	19	16	1–14	79	37	50
Tambov Region	57	60	18–19	40–41	43–44	74
Tver Region	56	15	70	52	56–58	38
Tula Region	22	51	17	70	24–26	60
Yaroslavl Region	14–15	30–31	78	68	7	43
Moscow	1	4–5	–	9	2	7–8

* The places, taken by subjects of the Russian Federation or federal districts, are determined by ranking the indicators' values. The first place is taken by the region of the Russian Federation or federal district with maximum values, the regions which show equal values are given interval place groups (e.g. 41–42).

(continued)

	Telephones (including public payphones) per 100 inhabitants	Mobile cellular subscriptions per 100 inhabitants	Rural areas having telephony, <i>as a percentage of the total</i>	Level of digitization of local telephone network, <i>per cent</i>	Fixed broadband Internet subscribers per 100 inhabitants	Wireless broadband Internet subscribers per 100 inhabitants
Northwestern Federal District	1	1	8	8	1	2
Republic of Karelia	11	18	69	55–56	3	53
Republic of Komi	7	17	30–31	38–39	19	17
Arkhangelsk Region	35	14	65	72	27	28
Of which Nenets Autonomous District	59	–	81	–	–	–
Vologda Region	20–21	19	74	48–49	21–22	46
Kaliningrad Region	13	13	22–25	33–34	6	3
Leningrad Region	64	2–3	42	75	65–66	13–14
Murmansk Region	4	6	60	44	12	16
Novgorod Region	34	11	1–14	60	30–32	55–56
Pskov Region	23	39	71	11	69	68–70
Saint-Petersburg	2	2–3	–	67	4	13–14
Southern Federal District	7	4	1	6	7	3
Republic of Adygeya	78	79	50–51	81	77	19
Republic of Kalmykia	76	55	1–14	61–62	73	39
Krasnodar Territory	67	8	22–25	38–39	52	6
Astrakhan Region	70	20	53–54	31	53–54	27
Volgograd Region	55	42	46	57	34–35	30
Rostov Region	61	53	22–25	61–62	60	41

(continued)

	Telephones (including public payphones) per 100 inhabitants	Mobile cellular subscriptions per 100 inhabitants	Rural areas having telephony, <i>as a percentage of the total</i>	Level of digitization of local telephone network, <i>per cent</i>	Fixed broadband Internet subscribers per 100 inhabitants	Wireless broadband Internet subscribers per 100 inhabitants
North Caucasian Federal District	8	8	6	7	8	8
Republic of Dagestan	81	82	26–28	82	80	81
Republic of Ingushetia	82	81	80	1–6	81	79
Kabardino-Balkarian Republic	77	77	1–14	66	72	57
Karachaevo-Cherchessian Republic	79	78	18–19	45	74	77
Republic of North Ossetia – Alania	45–46	75	50–51	53	71	61
Chechen Republic	83	80	79	1–6	82	62
Stavropol Territory	71	67	16	54	64	42
Volga Federal District	4	6	2	2	3	7
Republic of Bashkortostan	45–46	58	1–14	20	23	58
Republic of Mari El	52–53	59	36	21	34–35	68–70
Republic of Mordovia	31–33	66	1–14	25	46–47	80
Republic of Tatarstan	31–33	46	1–14	7–8	5	63
Udmurtian Republic	49	65	35	43	11	47–48
Chuvash Republic	68–69	30–31	1–14	24	65–66	51
Perm Territory	31–33	54	53–54	33–34	59	64–65
Kirov Region	26–27	61	40–41	36–37	14–16	55–56
Nizhni Novgorod Region	9	37	58	22	9	71–72
Orenburg Region	37	48	1–14	29	30–32	36
Penza Region	41–42	40	26–28	40–41	50–51	76
Samara Region	17	21	43–44	26–27	8	35
Saratov Region	43	44	1–14	35	28	54
Ulyanovsk Region	29–30	38	40–41	28	17–18	68–70

(continued)

	Telephones (including public payphones) per 100 inhabitants	Mobile cellular subscriptions per 100 inhabitants	Rural areas having telephony, <i>as a percentage of the total</i>	Level of digitization of local telephone network, <i>per cent</i>	Fixed broadband Internet subscribers per 100 inhabitants	Wireless broadband Internet subscribers per 100 inhabitants
Urals Federal District	3	3	3	5	2	5
Kurgan Region	47–48	63–64	39	71	38	75
Sverdlovsk Region	28	25	47–48	50	14–16	23
Tyumen Region	18	9	32–34	13	10	15
Of which						
Khanty-Mansi Autonomous District – Yugra	16	7	32–34	7–8	17–18	18
Yamalo-Nenets Autonomous District	12	1	49	1–6	29	1
Chelyabinsk Region	44	35	30–31	63–64	13	71–72
Siberian Federal District	6	7	5	3	5	1
Republic of Altai	75	71	32–34	19	78	22
Republic of Buryatia	74	68	68	16	75	32
Republic of Tyva	80	69	77	10	79	4
Republic of Khakasia	66	22	20	32	67	12
Altai Territory	39	76	15	30	45	44–45
Zabaikalsk Territory	73	74	75	23	76	82
Krasnoyarsk Territory	38	52	55	26–27	36	24
Irkutsk Region	65	34	67	12	50–51	2
Kemerovo Region	62–63	41	73	36–37	41	10
Novosibirsk Region	20–21	33	37	46	1	20
Omsk Region	52–53	26	38	55–56	33	29
Tomsk Region	14–15	36	56	14	49	11

(continued)

	Telephones (including public payphones) per 100 inhabitants	Mobile cellular subscriptions per 100 inhabitants	Rural areas having telephony, <i>as a percentage of the total</i>	Level of digitization of local telephone network, <i>per cent</i>	Fixed broadband Internet subscribers per 100 inhabitants	Wireless broadband Internet subscribers per 100 inhabitants
Far Eastern Federal District	5	5	4	1	6	6
Republic of Sakha (Yakutia)	60	73	64	1–6	62	34
Kamchatka Territory	8	12	21	1–6	53–54	5
Primorsky Territory	36	28–29	26–28	17	24–26	64–65
Khabarovsk Territory	29–30	23	59	42	30–32	21
Amur Region	72	43	61	18	70	33
Magadan Region	6	10	47–48	15	14–16	9
Sakhalin Region	5	62	63	48–49	40	25
Jewish Autonomous Region	62–63	72	1–14	63–64	39	78
Chukotka Autonomous District	3	70	1–14	1–6	63	26

2.3. Fixed and mobile-cellular telephone communication

(at the end of the year)

	Telephones (including public payphones) per 100 inhabitants			Mobile cellular subscriptions per 100 inhabitants			Rural areas having telephony, as a percentage of the total		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	31.4	30.9	30.1	166.4	179.0	182.7	90.1	90.1	90.0
Central Federal District	38.2	37.7	37.1	182.3	199.0	204.6	87.2	87.4	88.0
Belgorod Region	29.0	27.7	26.7	142.2	159.3	166.9	95.4	95.4	95.4
Bryansk Region	26.6	26.7	26.5	148.1	154.9	165.5	100	100	100
Vladimir Region	28.0	27.9	27.9	150.2	160.7	162.4	84.8	84.2	84.2
Voronezh Region	35.2	31.1	30.9	132.6	159.8	162.4	98.0	98.5	98.3
Ivanovo Region	26.0	25.8	25.6	161.5	177.7	176.7	70.0	75.2	71.5
Kaluga Region	34.3	34.7	34.1	157.1	174.0	177.5	86.7	86.7	86.7
Kostroma Region	31.7	31.7	31.0	177.5	205.0	179.3	83.9	77.8	77.8
Kursk Region	23.1	22.5	21.9	155.0	169.0	169.4	98.4	98.5	98.5
Lipetsk Region	32.1	32.0	31.1	147.6	156.0	158.1	96.1	96.0	96.0
Moscow Region	27.0	26.8	27.0	212.8*	228.9*	239.5*	90.6	91.8	92.9
Oryol Region	28.3	27.1	26.3	164.9	183.1	183.8	100	100	100
Ryazan Region	28.9	28.8	28.1	160.9	168.8	168.7	90.2	90.2	90.2
Tambov Region	26.7	26.3	25.9	138.5	153.2	161.1	98.9	98.9	99.2
Tver Region	27.4	27.0	26.1	171.7	192.0	190.8	80.0	79.9	79.9
Tula Region	32.1	31.9	31.7	149.1	179.5	165.1	99.3	99.3	99.3
Yaroslavl Region	35.1	34.9	33.3	168.5	181.5	176.8	63.7	64.8	70.7
Moscow	58.8	58.8	56.7	212.8*	228.9*	239.5*	—	—	...

* Aggregate data for Moscow and Moscow region.

(continued)

	Telephones (including public payphones) per 100 inhabitants			Mobile cellular subscriptions per 100 inhabitants			Rural areas having telephony, as a percentage of the total		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	39.2	38.4	37.2	196.6	211.7	217.8	84.7	83.7	83.5
Republic of Karelia	36.8	35.6	33.7	173.9	206.1	187.5	80.2	80.6	80.7
Republic of Komi	38.8	38.2	37.6	179.3	187.4	188.7	95.0	99.1	98.1
Arkhangelsk Region	31.9	30.7	29.1	179.1	189.0	192.5	84.5	84.5	84.5
Of which Nenets Autonomous District	26.8	25.5	25.2	...	...	...	...	...	0.0
Vologda Region	32.6	32.7	31.8	174.1	195.0	187.2	74.0	74.0	73.6
Kaliningrad Region	32.8	32.5	33.5	189.8	199.0	194.9	98.5	98.5	98.5
Leningrad Region	26.4	25.0	24.0	210.1**	227.2**	242.9**	96.1	96.1	96.1
Murmansk Region	43.7	42.6	40.8	224.6	226.1	224.0	90.2	89.3	89.3
Novgorod Region	32.2	31.2	30.0	185.3	197.8	198.4	100	100	100
Pskov Region	33.3	32.5	31.6	167.1	180.3	173.2	81.9	78.4	78.4
Saint-Petersburg	49.8	48.9	47.0	210.1**	227.2**	242.9**	—	—	—
Southern Federal District	25.0	24.2	23.6	168.7	179.5	180.3	97.2	97.2	97.2
Republic of Adygeya	16.6	16.2	15.8	107.2	124.5	122.7	93.5	93.5	93.0
Republic of Kalmykia	17.4	16.7	16.3	157.1	163.4	163.3	99.2	99.2	100
Krasnodar Territory	24.5	23.5	22.6	185.9	202.2	201.8	98.6	98.5	98.5
Astrakhan Region	24.7	22.4	21.8	188.5	193.3	185.7	92.6	92.6	92.6
Volgograd Region	27.4	27.1	26.2	168.2	174.2	171.9	95.1	95.1	95.1
Rostov Region	25.6	25.2	24.8	150.4	158.0	164.5	98.5	98.5	98.5

** Aggregate data for St. Petersburg and Leningrad region.

(continued)

	Telephones (including public payphones) per 100 inhabitants			Mobile cellular subscriptions per 100 inhabitants			Rural areas having telephony, <i>as a percentage of the total</i>		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	12.6	12.1	11.6	122.1	131.6	131.6	87.5	87.5	89.1
Republic of Dagestan	3.6	3.2	2.8	108.1	118.2	116.8	95.6	95.6	98.4
Republic of Ingushetia	2.8	2.4	2.3	125.1	130.5	120.2	4.3	4.3	4.3
Kabardino-Balkarian Republic	17.6	16.5	16.1	119.8	125.9	130.6	100	100	100
Karachaevo-Cherchessian Republic	14.5	14.3	13.8	133.6	126.8	129.7	100	99.2	99.2
Republic of North Ossetia – Alania	27.6	27.5	27.1	117.4	128.6	135.7	93.0	93.0	93.0
Chechen Republic	1.3	1.3	1.3	104.6	118.7	120.5	20.5	20.5	20.5
Stavropol Territory	22.9	22.3	21.5	144.3	155.4	153.8	99.4	99.4	99.4
Volga Federal District	30.0	29.7	29.6	157.0	167.7	169.0	96.8	97.1	96.8
Republic of Bashkortostan	27.9	27.8	27.1	148.2	157.3	161.6	100	100	100
Republic of Mari El	24.3	23.9	26.4	147.1	154.4	161.2	97.9	97.7	97.7
Republic of Mordovia	30.2	29.9	30.2	146.2	151.0	155.7	100	100	100
Republic of Tatarstan	30.9	30.6	30.2	157.7	171.3	169.0	100	100	100
Udmurtian Republic	28.2	28.1	26.9	156.8	156.9	157.1	96.3	97.8	97.8
Chuvash Republic	23.4	22.4	21.9	170.6	180.2	176.8	99.9	99.9	100
Perm Territory	31.9	30.9	30.2	156.6	160.6	163.5	91.6	94.6	92.6
Kirov Region	31.2	32.2	30.9	145.6	174.5	161.0	96.5	96.3	96.3
Nizhni Novgorod Region	35.5	35.9	35.3	155.6	173.1	174.2	91.1	90.7	90.0
Orenburg Region	28.6	27.7	28.7	156.4	170.7	167.6	100	100	100
Penza Region	27.4	27.2	27.9	150.2	162.7	172.6	98.5	98.4	98.4
Samara Region	31.2	31.6	32.6	180.2	182.7	185.0	96.0	96.0	96.0
Saratov Region	28.2	27.3	27.4	157.3	168.3	170.1	99.8	99.8	100.0
Ulyanovsk Region	31.1	30.2	30.3	149.2	165.0	173.6	96.3	96.3	96.3

(continued)

	Telephones (including public payphones) per 100 inhabitants			Mobile cellular subscriptions per 100 inhabitants			Rural areas having telephony, <i>as a percentage of the total</i>		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	32.8	31.7	29.9	169.5	179.5	183.7	95.9	96.6	96.7
Kurgan Region	27.6	27.5	27.0	141.3	150.9	158.1	96.7	97.0	97.0
Sverdlovsk Region	33.0	32.3	30.4	166.4	176.9	181.0	93.9	94.2	94.3
Tyumen Region	36.1	34.4	32.5	180.7	194.3	201.0	96.1	98.0	98.0
Of which									
Khanty-Mansi Autonomous District – Yugra	37.9	35.7	32.9	182.2	197.6	204.1	98.0	98.0	98.0
Yamalo-Nenets Autonomous District	37.7	35.0	33.6	215.9	236.7	246.5	93.8	93.8	93.8
Chelyabinsk Region	30.6	29.2	27.2	169.7	175.3	176.0	97.9	98.2	98.1
Siberian Federal District	27.9	27.4	26.3	146.0	160.4	165.0	92.7	92.3	90.0
Republic of Altai	20.4	20.2	19.0	123.1	144.5	145.3	98.0	98.0	98.0
Republic of Buryatia	20.2	19.6	19.1	134.3	142.3	148.5	97.4	97.1	81.1
Republic of Tyva	12.5	11.8	10.7	123.1	147.8	146.9	81.0	71.1	71.1
Republic of Khakasia	25.1	24.5	23.1	199.4	182.7	184.6	98.9	98.9	98.9
Altai Territory	28.9	28.9	28.3	126.7	135.4	134.7	99.3	99.4	99.6
Zabaikalsk Territory	21.2	20.8	20.1	129.2	127.0	136.9	99.1	98.6	72.6
Krasnoyarsk Territory	30.6	29.7	28.4	172.1	154.7	164.7	92.0	91.6	92.1
Irkutsk Region	26.1	25.1	23.6	163.5	166.0	176.2	83.8	82.3	84.0
Kemerovo Region	26.5	25.9	24.7	142.7	174.5	172.5	74.4	74.4	74.4
Novosibirsk Region	33.2	33.0	31.8	128.7	180.9	176.4	98.0	97.7	97.5
Omsk Region	27.0	27.1	26.4	158.4	170.2	180.3	97.7	97.5	97.3
Tomsk Region	36.2	34.9	33.3	121.3	160.8	174.9	91.9	91.9	91.9

(continued)

	Telephones (including public payphones) per 100 inhabitants			Mobile cellular subscriptions per 100 inhabitants			Rural areas having telephony, <i>as a percentage of the total</i>		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	31.2	29.9	28.9	165.4	165.8	171.8	91.7	91.9	90.8
Republic of Sakha (Yakutia)	29.6	27.2	25.0	132.3	136.6	143.1	86.7	87.4	84.8
Kamchatka Territory	38.3	37.1	35.4	174.7	189.4	195.6	98.8	98.8	98.8
Primorsky Territory	30.3	29.6	28.9	192.1	168.2	177.5	98.9	98.9	98.4
Khabarovsk Territory	32.0	31.1	30.3	167.3	178.8	184.0	89.5	89.5	89.5
Amur Region	22.6	21.4	20.6	156.4	171.9	171.5	88.1	88.6	88.6
Magadan Region	45.2	40.7	38.3	170.9	189.5	200.8	94.3	94.3	94.3
Sakhalin Region	41.0	39.3	39.2	145.0	156.6	160.3	90.1	90.1	85.2
Jewish Autonomous Region	26.5	25.6	24.7	128.6	144.4	143.4	100	100	100
Chukotka Autonomous District	42.7	39.6	42.9	108.4	127.0	145.6	100	100	100

2.4. Digitalization of local telephone network

(per cent; at the end of the year)

	Total			Urban areas			Rural areas		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	81.0	85.3	86.4	83.0	87.6	88.5	63.9	65.9	67.3
Central Federal District	76.8	86.3	87.6	79.0	88.9	90.2	45.1	47.2	47.1
Belgorod Region	67.7	67.9	67.1	69.3	69.1	69.4	59.8	62.0	53.5
Bryansk Region	70.2	70.9	72.3	75.2	75.6	77.1	42.6	44.9	45.2
Vladimir Region	68.0	69.8	72.1	73.8	75.3	77.8	7.3	7.4	7.0
Voronezh Region	80.9	76.4	77.2	84.5	79.8	80.7	59.2	60.3	60.4
Ivanovo Region	63.9	65.6	65.9	69.8	71.6	71.9	10.8	10.9	8.7
Kaluga Region	74.3	74.5	76.2	77.6	77.8	79.4	31.1	31.3	33.3
Kostroma Region	70.4	73.1	73.7	72.7	75.4	76.1	61.4	63.1	63.7
Kursk Region	56.3	56.9	59.3	64.8	65.1	67.5	8.4	9.1	9.4
Lipetsk Region	80.4	81.2	82.9	82.8	83.6	85.3	72.2	73.0	74.2
Moscow Region	72.7	76.1	81.4	74.7	78.0	83.3	46.4	52.9	55.0
Oryol Region	60.3	62.3	66.6	66.8	68.6	73.7	28.3	29.3	27.1
Ryazan Region	71.7	73.4	75.5	77.2	78.5	80.4	25.1	28.9	26.1
Smolensk Region	52.4	58.3	62.8	56.7	63.0	67.6	29.9	30.1	31.9
Tambov Region	85.4	85.8	86.3	98.1	98.3	98.7	45.1	45.9	46.8
Tver Region	77.6	79.3	80.9	81.0	82.3	83.8	60.0	62.7	63.1
Tula Region	68.9	71.3	72.9	72.5	75.1	76.6	36.4	35.7	36.2
Yaroslavl Region	73.5	74.8	74.1	77.9	79.1	78.3	42.0	43.0	44.5
Moscow	81.9	99.8	99.8	81.9	99.8	99.8	–	–	100.0

(continued)

	Total			Urban areas			Rural areas		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	71.6	76.6	77.4	73.4	78.4	78.9	45.7	46.6	51.4
Republic of Karelia	75.8	81.3	79.3	82.2	86.6	85.5	21.6	21.9	22.5
Republic of Komi	84.4	85.3	86.5	90.6	91.2	91.7	53.4	54.0	58.0
Arkhangelsk Region	67.3	71.3	72.4	75.4	78.7	79.4	29.6	34.4	36.8
Of which Nenets Autonomous District	...	...	...	...	...	...	...	...	...
Vologda Region	77.9	83.6	82.3	83.5	88.5	87.4	44.7	44.5	45.0
Kaliningrad Region	82.0	86.1	87.8	84.0	88.2	89.3	55.6	57.5	64.9
Leningrad Region	64.5	65.6	68.8	70.4	71.4	72.9	34.4	34.5	41.8
Murmansk Region	82.3	85.7	84.4	82.2	85.7	84.4	83.7	83.7	85.2
Novgorod Region	70.0	74.4	75.8	69.4	74.4	75.2	72.8	74.1	79.2
Pskov Region	95.7	96.2	98.4	98.2	98.4	98.3	69.8	67.9	100
Saint-Petersburg	66.0	73.1	74.3	66.0	73.1	74.3	—	—	—
Southern Federal District	78.7	79.7	80.6	81.7	82.8	83.6	66.2	67.0	68.2
Republic of Adygeya	54.7	54.9	54.2	60.8	60.5	62.6	30.0	34.0	30.2
Republic of Kalmykia	72.2	72.2	75.7	76.4	76.4	76.9	65.7	65.7	73.7
Krasnodar Territory	84.4	85.6	86.5	85.7	87.0	88.1	80.9	81.8	82.2
Astrakhan Region	85.0	88.6	88.6	82.5	86.8	86.8	100	100	100
Volgograd Region	76.1	77.1	78.5	81.9	82.8	84.2	30.6	31.1	32.8
Rostov Region	74.4	74.8	75.7	79.1	79.4	79.6	49.1	50.0	55.3

(continued)

	Total			Urban areas			Rural areas		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	72.7	76.4	77.6	78.4	81.0	82.2	52.9	59.3	59.9
Republic of Dagestan	42.2	51.8	53.0	42.3	47.0	47.5	41.6	75.5	81.9
Republic of Ingushetia	100	100	100	100	100	100	100	100	100
Kabardino-Balkarian Republic	72.6	74.2	75.4	73.6	75.0	75.5	69.2	71.8	75.0
Karachaevo-Cherchessian Republic	74.8	84.0	84.0	82.1	89.1	89.1	55.3	69.0	69.0
Republic of North Ossetia – Alania	79.2	79.4	80.1	78.9	79.1	79.4	81.2	81.6	85.2
Chechen Republic	100	100	100	100	100	100	100	100	100
Stavropol Territory	75.8	78.1	79.8	86.0	87.8	89.7	42.3	44.6	43.0
Volga Federal District	89.5	90.5	91.1	91.8	92.7	93.3	74.7	76.3	77.2
Republic of Bashkortostan	92.0	92.4	92.7	89.5	89.9	90.3	100	100	100
Republic of Mari El	91.8	92.0	92.1	95.1	95.2	95.3	55.9	55.9	55.9
Republic of Mordovia	91.2	90.9	91.0	90.3	90.0	90.0	93.9	94.0	94.0
Republic of Tatarstan	99.3	99.7	99.9	99.2	99.7	99.9	100	100	100
Udmurtian Republic	82.2	84.9	84.7	88.4	89.7	89.1	30.0	35.6	52.6
Chuvash Republic	87.7	88.9	91.2	89.7	90.9	93.6	77.4	78.3	78.3
Perm Territory	85.9	86.5	87.8	91.2	91.7	92.8	39.9	42.0	43.3
Kirov Region	83.0	84.9	86.9	87.5	89.1	90.7	51.3	52.4	53.8
Nizhni Novgorod Region	90.0	92.0	91.8	91.9	93.9	93.6	70.2	71.1	71.7
Orenburg Region	86.7	86.8	89.5	88.4	88.2	91.1	80.5	82.0	82.4
Penza Region	84.4	85.6	86.3	86.2	87.2	87.9	75.2	77.2	78.2
Samara Region	88.7	89.6	90.5	93.3	93.8	94.8	35.4	39.2	38.9
Saratov Region	86.5	86.9	87.5	90.2	90.6	91.1	58.8	59.3	59.2
Ulyanovsk Region	88.7	89.6	89.8	92.9	93.5	93.6	46.0	50.5	50.5

(continued)

	Total			Urban areas			Rural areas		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	81.8	83.3	84.7	84.5	85.8	87.1	53.9	55.6	55.1
Kurgan Region	67.4	69.9	72.8	83.1	85.0	86.5	24.9	24.9	26.0
Sverdlovsk Region	78.0	80.5	82.2	80.9	83.3	84.7	26.0	28.0	29.0
Tyumen Region	95.9	96.4	96.6	97.8	98.1	98.2	80.6	81.2	79.9
Of which									
Khanty-Mansi Autonomous District – Yugra	95.9	96.4	96.6	97.8	98.1	98.2	80.6	81.2	79.9
Yamalo-Nenets Autonomous District	99.6	100	100	99.6	100	100	100	100	100
Chelyabinsk Region	73.3	73.6	75.6	74.3	74.4	76.4	59.1	62.7	63.6
Siberian Federal District	86.5	88.7	89.6	87.5	89.7	90.6	80.6	82.6	83.3
Republic of Altai	83.6	93.1	93.1	85.0	91.2	91.2	82.6	94.3	94.4
Republic of Buryatia	93.0	93.7	94.7	97.3	97.3	97.3	80.5	83.1	86.9
Republic of Tyva	63.2	90.1	99.7	59.3	87.9	100	77.7	96.9	98.5
Republic of Khakasia	86.4	88.4	88.3	84.7	87.1	87.0	94.3	94.5	94.5
Altai Territory	87.3	89.1	89.2	87.1	89.4	89.7	87.7	88.4	88.3
Zabaikalsk Territory	90.2	91.4	91.6	90.5	91.3	91.4	88.5	91.8	92.5
Krasnoyarsk Territory	86.7	90.3	90.5	87.5	91.3	91.5	80.0	80.7	80.8
Irkutsk Region	94.8	95.7	97.0	95.1	95.9	97.2	89.2	89.7	90.4
Kemerovo Region	85.1	86.7	86.9	85.2	86.9	87.1	82.5	82.5	83.2
Novosibirsk Region	81.0	82.7	83.9	84.0	85.6	86.7	58.8	61.6	64.1
Omsk Region	75.9	78.1	79.3	76.1	78.1	79.5	74.9	77.6	77.9
Tomsk Region	95.3	96.0	96.1	98.7	99.1	99.1	83.6	85.0	85.3

(continued)

	Total			Urban areas			Rural areas		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	89.1	91.2	92.3	91.8	93.3	94.0	72.2	77.9	81.8
Republic of Sakha (Yakutia)	100	100	100	100	100	100	100	100	100
Kamchatka Territory	98.7	100	100	99.6	100	100	94.0	100	100
Primorsky Territory	92.5	93.4	94.6	96.5	96.8	97.6	62.3	65.8	71.9
Khabarovsk Territory	83.1	85.1	86.2	86.8	88.5	89.3	43.0	48.9	51.7
Amur Region	86.8	93.5	94.0	90.5	94.7	94.9	68.9	87.1	89.1
Magadan Region	76.5	89.9	95.9	77.7	90.4	95.7	45.9	80.5	100
Sakhalin Region	78.7	79.4	82.3	82.9	82.5	83.6	45.6	61.2	73.6
Jewish Autonomous Region	73.2	73.8	75.6	79.1	79.1	79.7	41.2	48.3	52.3
Chukotka Autonomous District	100	100	100	100	100	100	100	100	100

2.5. Internet Access

(at the end of the year)

	Fixed broadband Internet subscribers per 100 inhabitants		Wireless broadband Internet subscribers per 100 inhabitants		Number of public places with Internet access per 10000 inhabitants	
	2011	2012	2011	2012	2011	2012
Russian Federation	12.2	14.4	47.8	63.6	1.9	2.0
Central Federal District	13.9	15.8	52.8	67.0	2.0	2.1
Belgorod Region	8.9	9.8	33.4	57.5	2.5	2.5
Bryansk Region	10.6	12.5	32.6	51.4	2.4	2.4
Vladimir Region	10.7	12.4	34.8	54.0	1.8	1.6
Voronezh Region	12.4	16.2	27.9	52.5	2.3	2.3
Ivanovo Region	8.6	10.5	47.1	62.8	1.7	1.8
Kaluga Region	15.0	15.9	41.0	60.6	2.2	2.1
Kostroma Region	13.4	16.4	42.9	59.0	2.6	2.6
Kursk Region	7.6	10.5	27.6	56.4	3.8	3.8
Lipetsk Region	10.8	12.1	30.3	49.8	2.4	2.5
Moscow Region	7.3	7.9	70.6*	78.8*	0.7	0.7
Oryol Region	9.6	11.8	31.8	56.6	3.0	3.0
Ryazan Region	7.1	10.6	36.7	55.7	2.3	2.3
Smolensk Region	10.7	13.5	33.3	56.2	2.7	3.2
Tambov Region	7.8	12.4	36.2	49.5	13.2	...
Tver Region	8.0	10.5	45.1	60.2	3.5	...
Tula Region	12.7	15.9	32.5	53.9	1.8	1.9
Yaroslavl Region	16.7	18.5	51.6	57.7	1.8	1.8
Moscow	23.4	24.6	70.6*	78.8*	1.1	1.1

* Aggregate data for Moscow and Moscow region.

(continued)

	Fixed broadband Internet subscribers per 100 inhabitants		Wireless broadband Internet subscribers per 100 inhabitants		Number of public places with Internet access per 10000 inhabitants	
	2011	2012	2011	2012	2011	2012
Northwestern Federal District	15.5	17.5	47.7	69.7	1.7	1.7
Republic of Karelia	21.6	23.9	38.1	55.5	2.3	2.4
Republic of Komi	14.7	16.5	38.9	72.5	2.7	2.7
Arkhangelsk Region	14.1	15.6	38.5	65.2	2.4	2.5
Of which Nenets Autonomous District	...	...	...	...	2.1	3.7
Vologda Region	13.8	16.2	47.7	57.3	3.1	3.3
Kaliningrad Region	18.8	20.2	77.5	89.1	2.2	2.2
Leningrad Region	7.4	8.7	50.1**	73.8**	0.1	0.1
Murmansk Region	15.3	17.2	43.0	73.3	1.5	1.5
Novgorod Region	13.6	14.8	31.8	54.8	3.0	3.0
Pskov Region	6.3	7.6	38.2	50.8	3.8	3.8
Saint-Petersburg	19.4	21.9	50.1**	73.8**	0.9	0.8
Southern Federal District	9.3	11.1	51.0	68.7	1.7	1.7
Republic of Adygeya	3.7	4.9	66.1	71.3	1.8	1.8
Republic of Kalmykia	4.5	6.1	57.7	59.4	2.6	2.6
Krasnodar Territory	8.9	11.4	60.2	80.9	1.3	1.3
Astrakhan Region	9.5	11.3	62.7	65.3	2.0	2.0
Volgograd Region	12.1	13.9	44.9	62.9	2.8	2.8
Rostov Region	9.1	9.9	38.5	58.3	1.5	1.5

** Aggregate data for St. Petersburg and Leningrad region.

(continued)

	Fixed broadband Internet subscribers per 100 inhabitants		Wireless broadband Internet subscribers per 100 inhabitants		Number of public places with Internet access per 10000 inhabitants	
	2011	2012	2011	2012	2011	2012
North Caucasian Federal District	3.4	4.3	48.6	51.7	1.3	1.2
Republic of Dagestan	0.5	0.9	41.7	45.3	1.0	1.0
Republic of Ingushetia	0.5	0.6	45.7	46.8	0.7	0.6
Kabardino-Balkarian Republic	4.9	6.8	49.1	54.6	1.8	1.8
Karachaevo-Cherchessian Republic	4.4	5.6	44.3	47.9	2.2	2.2
Republic of North Ossetia – Alania	5.7	6.9	49.0	53.7	1.9	1.9
Chechen Republic	0.1	0.1	52.2	53.3	1.7	1.5
Stavropol Territory	7.2	9.0	55.1	57.8	1.0	0.9
Volga Federal District	13.2	16.1	41.2	54.3	2.3	2.3
Republic of Bashkortostan	13.2	16.1	50.7	54.4	2.9	2.9
Republic of Mari El	12.0	13.9	43.5	50.8	2.7	2.7
Republic of Mordovia	9.6	12.1	34.1	45.7	3.5	3.5
Republic of Tatarstan	18.9	21.8	42.5	53.0	2.5	2.5
Udmurtian Republic	15.0	17.9	32.0	56.6	2.5	2.6
Chuvash Republic	6.3	8.7	43.8	55.9	2.9	2.9
Perm Territory	10.6	10.4	28.5	52.9	1.6	1.6
Kirov Region	14.4	16.7	37.7	54.8	3.2	3.3
Nizhni Novgorod Region	14.2	18.2	26.2	50.3	1.8	1.8
Orenburg Region	11.7	14.8	55.9	60.8	3.2	3.2
Penza Region	9.1	11.5	34.8	48.7	3.0	3.0
Samara Region	13.2	18.4	51.2	61.3	0.9	0.9
Saratov Region	12.7	15.4	47.0	55.1	1.8	1.8
Ulyanovsk Region	14.1	16.6	33.5	50.8	2.2	2.2

(continued)

	Fixed broadband Internet subscribers per 100 inhabitants		Wireless broadband Internet subscribers per 100 inhabitants		Number of public places with Internet access per 10000 inhabitants	
	2011	2012	2011	2012	2011	2012
Urals Federal District	14.1	16.9	42.6	63.3	1.6	1.6
Kurgan Region	10.4	13.4	44.8	49.3	4.2	4.3
Sverdlovsk Region	14.3	16.7	33.6	68.3	1.5	1.5
Tyumen Region	16.6	18.0	51.1	73.6	1.3	1.2
Of which						
Khanty-Mansi Autonomous District – Yugra	15.2	16.6	49.6	71.8	1.1	1.1
Yamalo-Nenets Autonomous District	14.3	15.3	66.5	93.3	1.4	1.2
Chelyabinsk Region	12.5	16.9	44.8	50.3	1.4	1.4
Siberian Federal District	10.0	13.3	46.2	69.8	1.9	2.2
Republic of Altai	3.6	4.1	64.0	69.2	1.2	1.9
Republic of Buryatia	4.6	5.5	28.2	62.7	1.2	1.2
Republic of Tyva	1.2	1.4	79.4	85.5	2.6	2.9
Republic of Khakasia	7.9	8.2	67.9	74.6	1.4	1.3
Altai Territory	7.8	12.2	52.1	57.5	1.4	1.4
Zabaikalsk Territory	4.4	5.0	39.4	43.7	1.0	1.0
Krasnoyarsk Territory	10.1	13.6	53.5	67.3	4.8	6.8
Irkutsk Region	7.2	11.5	32.9	90.4	1.8	1.8
Kemerovo Region	10.3	12.7	42.9	75.6	1.1	1.1
Novosibirsk Region	20.1	25.9	54.8	71.2	1.0	1.0
Omsk Region	9.6	14.0	36.5	64.4	1.4	2.0
Tomsk Region	11.2	11.7	47.2	74.8	1.8	1.7

(continued)

	Fixed broadband Internet subscribers per 100 inhabitants		Wireless broadband Internet subscribers per 100 inhabitants		Number of public places with Internet access per 10000 inhabitants	
	2011	2012	2011	2012	2011	2012
Far Eastern Federal District	11.6	13.0	55.7	62.5	2.1	2.1
Republic of Sakha (Yakutia)	9.4	9.6	56.4	62.3	3.2	3.2
Kamchatka Territory	10.9	11.3	77.8	82.3	2.4	2.4
Primorsky Territory	14.0	15.9	45.9	52.9	1.6	1.6
Khabarovsk Territory	13.5	14.8	65.6	70.1	1.8	1.8
Amur Region	6.1	7.5	58.9	62.6	2.6	2.6
Magadan Region	14.9	16.7	66.5	77.3	2.3	2.4
Sakhalin Region	11.1	13.0	50.8	67.2	0.9	1.0
Jewish Autonomous Region	10.2	13.3	35.9	47.8	2.1	2.3
Chukotka Autonomous District	7.5	9.5	48.1	66.7	4.9	4.9

2.6. Availability of radio and analogue terrestrial TV broadcasting services

(as a percentage of total population; at the end of the year)

	Proportion of the population able to receive 1 radio programme			Proportion of the population able to receive 1 analogue terrestrial television programme			Proportion of the population able to receive 5–8 analogue terrestrial television programmes		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	95.0	95.9	94.1	98.6	98.7	98.9	59.2	69.9	62.5
Central Federal District	97.1	97.5	97.2	98.4	98.5	99.0	74.3	77.7	77.9
Belgorod Region	98.6	98.3	99.6	99.6	99.4	99.3	36.6	36.5	36.4
Bryansk Region	100	100	95.8	91.8	92.6	92.4	61.2	61.7	61.6
Vladimir Region	64.0	64.9	85.6	83.2	83.4	89.0	46.8	47.6	56.4
Voronezh Region	99.2	99.5	98.9	98.5	98.6	98.4	75.6	78.2	78.1
Ivanovo Region	100	100	100	100	100	100	7.4	80.5	80.5
Kaluga Region	96.4	96.9	97.5	99.0	99.5	99.8	81.3	82.1	82.2
Kostroma Region	93.7	96.7	92.3	99.4	98.3	98.5	58.6	64.4	64.7
Kursk Region	81.3	82.0	77.1	99.0	98.9	98.9	49.1	51.2	51.1
Lipetsk Region	98.8	99.3	96.8	99.5	100	100	73.2	73.9	73.9
Moscow Region	102.4	103.2	100	98.5	98.7	100	72.4	75.1	77.8
Oryol Region	87.9	89.6	86.3	100	99.7	99.6	45.3	51.2	41.8
Ryazan Region	97.9	98.3	98.3	99.7	99.1	99.1	93.6	95.8	80.2
Smolensk Region	99.2	100	98.6	98.7	97.7	97.8	41.9	54.4	55.1
Tambov Region	99.1	98.8	93.0	99.1	98.8	98.8	52.9	48.0	39.9
Tver Region	100	99.8	92.6	98.7	98.6	98.6	80.6	80.5	80.5
Tula Region	96.8	98.4	96.3	99.4	99.7	100	52.1	52.6	53.1
Yaroslavl Region	100	99.9	99.9	98.0	99.7	99.6	84.6	84.6	84.5
Moscow	98.1	97.9	99.5	100	100	100	100	100	100

(continued)

	Proportion of the population able to receive 1 radio programme			Proportion of the population able to receive 1 analogue terrestrial television programme			Proportion of the population able to receive 5–8 analogue terrestrial television programmes		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	96.8	98.4	95.4	99.2	99.3	99.3	76.5	78.1	78.3
Republic of Karelia	96.0	96.9	90.6	100	99.3	99.1	52.1	55.8	55.7
Republic of Komi	94.9	97.8	91.0	100	100	100	56.9	58.4	58.4
Arkhangelsk Region	86.0	97.2	84.7	96.1	98.1	98.1	51.0	54.1	54.1
Of which Nenets Autonomous District	...	...	...	...	...	...	...	...	...
Vologda Region	95.7	98.5	94.4	99.5	99.3	99.3	58.3	57.5	57.5
Kaliningrad Region	99.6	99.4	97.0	99.6	99.4	99.4	50.8	54.7	54.7
Leningrad Region	99.7	98.9	99.0	99.2	98.9	98.9	83.1	86.5	86.5
Murmansk Region	100	99.6	99.0	100	99.4	99.5	87.7	88.7	89.4
Novgorod Region	87.7	87.1	87.2	99.6	99.0	98.9	65.0	67.3	68.2
Pskov Region	95.7	97.5	94.2	96.4	97.5	97.5	52.1	52.5	52.5
Saint-Petersburg	99.4	100	98.5	99.8	100	100	100	100	100
Southern Federal District	88.7	89.4	89.0	98.8	97.8	98.1	49.8	50.5	50.4
Republic of Adygeya	97.0	99.4	99.6	98.5	99.4	99.4	79.7	85.9	78.2
Republic of Kalmykia	83.8	87.2	82.4	96.9	95.8	95.8	49.1	51.5	51.2
Krasnodar Territory	90.8	91.0	91.2	99.4	98.0	98.9	53.5	53.6	53.7
Astrakhan Region	85.1	85.7	80.8	98.8	98.4	98.5	58.7	58.4	58.5
Volgograd Region	99.3	100	100	98.8	99.6	99.5	59.8	60.2	60.3
Rostov Region	79.9	81.0	80.7	98.2	96.2	96.2	34.1	35.2	35.2

(continued)

	Proportion of the population able to receive 1 radio programme			Proportion of the population able to receive 1 analogue terrestrial television programme			Proportion of the population able to receive 5–8 analogue terrestrial television programmes		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	88.1	89.1	88.7	95.9	96.8	97.0	41.0	64.1	41.4
Republic of Dagestan	99.2	99.6	98.2	97.3	100	100	28.4	95.5	32.7
Republic of Ingushetia	82.3	82.9	79.3	100	99.4	99.4	82.2	85.9	38.2
Kabardino-Balkarian Republic	100	99.8	99.8	99.3	98.1	98.0	80.1	93.1	57.7
Karachaevo-Cherchessian Republic	92.2	92.0	91.6	98.3	99.0	94.6	51.9	63.9	80.4
Republic of North Ossetia – Alania	93.8	97.8	98.2	98.3	98.6	98.8	54.5	55.3	55.6
Chechen Republic	98.1	97.9	98.3	84.7	86.2	88.3	36.5	35.9	44.1
Stavropol Territory	66.8	68.8	69.2	96.9	96.6	97.4	33.2	34.0	34.6
Volga Federal District	97.2	98.0	94.3	98.7	98.7	98.8	53.9	67.7	57.2
Republic of Bashkortostan	97.4	98.0	97.7	99.1	99.5	99.7	29.9	96.0	32.7
Republic of Mari El	99.8	100	100	99.8	100	100	53.0	99.6	61.6
Republic of Mordovia	100	100	100	99.6	100	100	42.5	99.3	49.8
Republic of Tatarstan	99.5	99.4	99.5	99.5	99.4	99.5	62.8	74.0	76.6
Udmurtian Republic	89.7	89.8	85.9	92.3	92.5	92.5	53.6	53.7	60.7
Chuvash Republic	100	100	100	100	100	100	55.9	56.5	70.0
Perm Territory	98.0	98.8	85.4	98.7	98.8	98.8	57.1	58.5	49.7
Kirov Region	97.9	97.9	80.4	99.8	99.0	98.9	53.6	51.7	90.2
Nizhni Novgorod Region	99.8	99.8	98.2	98.5	98.3	98.3	94.2	96.3	...
Orenburg Region	97.5	98.2	98.6	100	100	100	–	–	14.8
Penza Region	100	100	100	99.7	100	100	19.5	16.6	58.4
Samara Region	92.1	96.5	90.3	97.7	97.7	97.7	78.8	78.8	78.8
Saratov Region	94.4	96.0	92.9	100	99.9	99.9	58.8	64.5	64.4
Ulyanovsk Region	98.9	99.1	88.1	96.9	96.1	96.2	51.1	51.4	51.4

(continued)

	Proportion of the population able to receive 1 radio programme			Proportion of the population able to receive 1 analogue terrestrial television programme			Proportion of the population able to receive 5–8 analogue terrestrial television programmes		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	93.1	93.2	91.6	99.3	99.5	99.4	46.7	89.4	47.5
Kurgan Region	92.8	93.7	90.6	100	100	100	85.6	84.7	84.4
Sverdlovsk Region	91.0	92.1	92.1	99.4	99.8	99.7	34.7	92.9	46.2
Tyumen Region	32.0	31.9	31.0	98.3	99.1	99.1	22.7	95.4	18.1
Of which									
Khanty-Mansi Autonomous District – Yugra	91.4	90.0	88.7	99.7	99.3	99.2	43.4	96.1	20.8
Yamalo-Nenets Autonomous District	100	98.8	78.5	100	98.8	98.8	20.2	93.2	19.9
Chelyabinsk Region	100	99.9	99.9	99.8	99.3	99.2	75.0	80.5	69.3
Siberian Federal District	95.0	96.8	94.3	98.6	99.4	99.3	48.2	58.5	57.5
Republic of Altai	100	99.8	98.8	100	99.3	99.3	41.0	41.1	42.7
Republic of Buryatia	99.2	100	100	98.9	99.9	99.5	48.0	48.1	48.1
Republic of Tyva	100	99.6	99.6	100	99.2	99.2	39.5	38.2	38.2
Republic of Khakasia	91.0	100	99.8	99.4	98.8	98.6	79.0	78.9	78.7
Altai Territory	98.2	99.7	96.3	100	100	100	57.0	57.6	57.0
Zabaikalsk Territory	87.2	91.9	82.5	99.0	98.6	98.4	31.0	30.8	35.8
Krasnoyarsk Territory	93.4	95.5	92.1	93.3	99.7	99.7	42.1	42.3	40.8
Irkutsk Region	87.0	91.9	86.5	100	100	100	20.6	60.4	60.1
Kemerovo Region	96.4	95.3	95.2	99.6	99.4	99.5	46.6	51.7	51.7
Novosibirsk Region	99.0	99.2	99.2	99.0	98.6	98.6	62.2	86.0	86.1
Omsk Region	100	100	100	100	99.6	99.5	59.0	70.9	65.9
Tomsk Region	91.3	95.5	90.8	99.0	98.2	98.4	62.4	62.1	53.0

(continued)

	Proportion of the population able to receive 1 radio programme			Proportion of the population able to receive 1 analogue terrestrial television programme			Proportion of the population able to receive 5–8 analogue terrestrial television programmes		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	96.5	97.3	96.1	99.7	99.5	99.7	59.7	63.9	61.9
Republic of Sakha (Yakutia)	98.2	100	100	99.2	100	100	26.8	51.0	51.0
Kamchatka Territory	99.6	100.0	99.6	99.5	100	100	91.5	93.3	57.8
Primorsky Territory	95.4	94.9	95.1	100	99.5	99.8	63.0	59.5	82.2
Khabarovsk Territory	100	100	98.3	100	99.6	100	85.6	82.2	18.5
Amur Region	92.4	93.2	93.7	100	99.1	99.3	29.7	30.4	91.6
Magadan Region	99.7	97.1	85.6	98.5	97.4	97.5	75.7	74.4	74.9
Sakhalin Region	100	99.9	98.5	100	100	100	60.4	87.6	89.5
Jewish Autonomous Region	75.3	97.5	75.2	97.3	97.5	97.5	64.4	63.1	63.6
Chukotka Autonomous District	97.3	98.1	98.7	97.3	98.1	98.1	87.0	88.3	88.2

2.7. Availability of digital and cable TV broadcasting services

(as a percentage of total population; at the end of the year)

	Proportion of the population able to receive one digital terrestrial television programme			Proportion of the population able to receive one cable television programme		
	2010	2011	2012	2010	2011	2012
Russian Federation	6.0	18.3	30.8	12.4	12.5	18.3
Central Federal District	2.9	36.7	44.1	11.6	5.2	11.5
Belgorod Region	–	–	–	5.7	5.7	6.8
Bryansk Region	–	–	–	1.6	1.6	6.7
Vladimir Region	–	–	–	5.2	5.6	13.0
Voronezh Region	–	–	–	5.5	5.3	15.3
Ivanovo Region	–	–	–	11.9	12.0	19.3
Kaluga Region	–	–	0.1	19.8	20.6	7.9
Kostroma Region	–	–	–	20.0	22.7	14.7
Kursk Region	100	99.1	99.0	4.8	4.5	8.7
Lipetsk Region	–	–	–	0.4	18.5	23.4
Moscow Region	–	19.6	61.3	1.2	1.4	13.1
Oryol Region	–	–	0.2	6.2	6.3	11.2
Ryazan Region	–	–	–	1.8	1.8	4.7
Smolensk Region	–	–	–	4.9	4.9	16.9
Tambov Region	–	–	–	3.0	3.3	5.8
Tver Region	–	–	–	2.6	3.8	4.1
Tula Region	–	–	–	4.2	3.9	11.2
Yaroslavl Region	–	–	–	23.0	20.5	33.4
Moscow	0.0	100	96.9	25.9	2.8	8.6

(continued)

	Proportion of the population able to receive one digital terrestrial television programme			Proportion of the population able to receive one cable television programme		
	2010	2011	2012	2010	2011	2012
Northwestern Federal District	–	–	48.0	14.3	18.8	41.7
Republic of Karelia	–	–	–	5.2	5.2	9.9
Republic of Komi	–	–	–	5.4	5.6	6.7
Arkhangelsk Region	–	–	50.4	4.4	19.8	16.3
Of which Nenets Autonomous District	–	–	–	...	...	...
Vologda Region	–	–	–	5.5	9.0	11.9
Kaliningrad Region	–	–	–	22.3	22.5	25.3
Leningrad Region	–	–	43.3	6.1	6.1	22.5
Murmansk Region	–	–	–	1.3	1.3	4.4
Novgorod Region	–	–	–	9.8	9.8	7.6
Pskov Region	–	–	40.3	6.1	53.1	6.5
Saint-Petersburg	–	–	98.5	27.0	28.3	89.5
Southern Federal District	–	–	35.3	6.2	4.5	7.5
Republic of Adygeya	–	–	–	–	–	–
Republic of Kalmykia	–	–	–	–	–	–
Krasnodar Territory	–	–	76.8	0.8	0.8	1.2
Astrakhan Region	–	–	80.8	5.8	0.9	1.2
Volgograd Region	–	–	–	20.2	14.0	26.9
Rostov Region	–	–	–	5.2	5.0	6.5

(continued)

	Proportion of the population able to receive one digital terrestrial television programme			Proportion of the population able to receive one cable television programme		
	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	-	-	6.2	1.0	1.5	0.4
Republic of Dagestan	-	-	-	-	-	-
Republic of Ingushetia	-	-	-	-	-	-
Kabardino-Balkarian Republic	-	-	-	-	-	-
Karachaevo-Cherchessian Republic	-	-	-	-	-	-
Republic of North Ossetia – Alania	-	-	83.9	-	-	-
Chechen Republic	-	-	-	-	-	-
Stavropol Territory	-	-	-	3.6	5.2	1.3
Volga Federal District	7.7	8.4	8.3	16.9	19.7	31.8
Republic of Bashkortostan	-	-	0.0	5.5	9.4	26.6
Republic of Mari El	-	-	0.0	10.6	11.9	32.1
Republic of Mordovia	97.2	99.3	95.7	4.4	4.6	12.1
Republic of Tatarstan	39.6	44.4	44.2	55.1	57.5	69.8
Udmurtian Republic	-	-	-	3.2	13.2	29.8
Chuvash Republic	-	-	-	23.2	23.8	41.7
Perm Territory	-	-	-	4.8	11.5	19.9
Kirov Region	-	-	-	11.3	11.7	21.9
Nizhni Novgorod Region	-	-	0.1	11.5	10.6	14.9
Orenburg Region	-	-	-	2.2	6.7	14.1
Penza Region	-	-	-	2.8	11.5	18.0
Samara Region	-	-	-	37.3	37.4	63.8
Saratov Region	-	-	-	11.1	10.0	18.5
Ulyanovsk Region	-	-	-	5.0	10.9	6.5

(continued)

	Proportion of the population able to receive one digital terrestrial television programme			Proportion of the population able to receive one cable television programme		
	2010	2011	2012	2010	2011	2012
Urals Federal District	37.0	43.4	36.6	10.8	18.0	20.2
Kurgan Region	—	—	—	2.6	2.6	9.4
Sverdlovsk Region	76.6	95.2	76.4	3.0	13.8	24.3
Tyumen Region	2.4	2.2	1.9	32.8	36.7	16.0
Of which						
Khanty-Mansi Autonomous District – Yugra	5.4	4.8	4.3	39.0	38.4	15.0
Yamalo-Nenets Autonomous District	—	—	—	96.8	96.9	5.2
Chelyabinsk Region	31.7	31.6	31.6	0.9	8.5	22.0
Siberian Federal District	2.0	9.5	19.5	6.5	8.1	12.6
Republic of Altai	—	—	96.0	0.0	—	—
Republic of Buryatia	—	73.8	73.8	0.0	0.1	0.0
Republic of Tyva	—	—	—	—	—	—
Republic of Khakasia	66.1	75.2	85.6	3.9	3.9	0.4
Altai Territory	—	—	—	3.0	2.9	6.7
Zabaikalsk Territory	—	60.4	60.2	3.5	7.3	—
Krasnoyarsk Territory	—	—	—	5.6	5.6	17.7
Irkutsk Region	—	—	59.3	0.9	7.8	11.3
Kemerovo Region	—	—	—	25.6	18.2	14.6
Novosibirsk Region	—	—	—	8.0	9.5	24.0
Omsk Region	1.6	2.7	15.1	0.5	14.5	20.5
Tomsk Region	—	—	—	0.7	0.8	2.9

(continued)

	Proportion of the population able to receive one digital terrestrial television programme			Proportion of the population able to receive one cable television programme		
	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	5.2	37.5	69.0	44.5	47.0	10.9
Republic of Sakha (Yakutia)	–	–	–	37.5	47.1	0.1
Kamchatka Territory	3.1	69.6	69.1	58.7	49.4	1.5
Primorsky Territory	–	–	95.8	44.3	38.5	1.9
Khabarovsk Territory	1.0	81.9	89.3	44.6	53.6	44.3
Amur Region	25.0	92.2	92.7	44.5	48.9	1.6
Magadan Region	63.2	62.0	62.7	67.9	66.0	1.2
Sakhalin Region	–	–	–	42.7	54.5	2.6
Jewish Autonomous Region	–	100	100	54.6	51.6	7.9
Chukotka Autonomous District	–	–	–	1.8	2.4	2.8

2.8. Tariffs for communication services

	Monthly subscription for local telephone service (unlimited number and duration of telephone calls)						Monthly Internet subscription					
	Total, roubles; December			As a percentage of average income			Total, roubles; December			As a percentage of average income		
	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	349	377	397	1.8	1.8	1.7	599	556	537	3.2	2.7	2.3
Central Federal District	353	386	412	1.4	1.4	1.4	615	683	631	2.5	2.5	2.1
Belgorod Region	354	378	398	2.1	2.0	1.9	460	460	483	2.7	2.4	2.3
Bryansk Region	354	378	398	2.7	2.5	2.3	687	556	453	5.1	3.6	2.6
Vladimir Region	337	360	379	2.6	2.5	2.3	570	583	498	4.4	4.1	3.0
Voronezh Region	354	378	398	2.5	2.4	2.1	428	404	417	3.1	2.5	2.2
Ivanovo Region	354	378	398	3.2	2.9	2.5	507	500	433	4.6	3.8	2.7
Kaluga Region	354	378	398	2.3	2.2	2.0	671	645	606	4.3	3.7	3.0
Kostroma Region	255	276	289	1.9	1.9	1.8	671	570	540	5.0	3.9	3.4
Kursk Region	280	323	362	1.9	2.0	1.9	630	490	537	4.3	3.0	2.9
Lipetsk Region	329	353	373	2.1	2.1	1.9	470	466	396	2.9	2.8	2.0
Moscow Region	304	350	378	1.3	1.4	1.3	608	647	607	2.7	2.5	2.1
Oryol Region	317	343	362	2.4	2.3	2.2	523	511	490	4.0	3.4	2.9
Ryazan Region	354	370	390	2.5	2.5	2.3	421	478	509	3.0	3.2	2.9
Smolensk Region	354	378	398	2.4	2.4	2.2	761	720	647	5.2	4.5	3.6
Tambov Region	354	378	398	2.6	2.5	2.3	420	416	415	3.1	2.7	2.4
Tver Region	354	378	398	2.6	2.5	2.3	400	400	516	2.9	2.7	3.0
Tula Region	354	378	398	2.3	2.2	2.1	644	654	654	4.2	3.9	3.4
Yaroslavl Region	354	378	398	2.4	2.4	2.2	557	480	480	3.8	3.1	2.6
Moscow	405	435	456	0.9	0.9	0.9	764	826	826	1.7	1.7	1.7

(continued)

	Monthly subscription for local telephone service (unlimited number and duration of telephone calls)						Monthly Internet subscription					
	Total, roubles; December			As a percentage of average income			Total, roubles; December			As a percentage of average income		
	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	360	390	404	1.8	1.8	1.8	483	450	431	2.4	2.1	1.9
Republic of Karelia	375	400	410	2.3	2.3	2.1	307	230	221	1.9	1.3	1.1
Republic of Komi	375	400	410	1.7	1.7	1.6	580	505	430	2.6	2.1	1.6
Arkhangelsk Region	375	400	410	1.9	1.9	1.8	483	430	450	2.5	2.0	1.9
Of which Nenets Autonomous District	375	400	410	0.7	0.7	0.7	835	979	979	1.6	1.8	1.6
Vologda Region	340	365	375	2.4	2.3	2.1	494	363	288	3.5	2.3	1.6
Kaliningrad Region	340	365	375	2.1	2.2	2.0	425	398	416	2.7	2.4	2.2
Leningrad Region	340	365	375	2.3	2.3	2.2	491	499	494	3.3	3.1	2.9
Murmansk Region	375	400	410	1.6	1.6	1.5	657	657	657	2.7	2.6	2.4
Novgorod Region	340	365	375	2.2	2.1	2.0	490	425	376	3.1	2.5	2.0
Pskov Region	340	365	375	2.7	2.6	2.3	398	363	369	3.1	2.6	2.3
Saint-Petersburg	370	400	420	1.5	1.5	1.5	476	457	438	1.9	1.8	1.6
Southern Federal District	361	383	385	2.4	2.3	2.1	591	594	582	3.9	3.6	3.2
Republic of Adygeya	313	338	338	2.5	2.4	2.0	548	497	424	4.5	3.5	2.5
Republic of Kalmykia	313	338	338	4.0	3.8	3.4	800	646	646	10.3	7.3	6.4
Krasnodar Territory	366	387	387	2.2	2.1	1.9	694	827	807	4.1	4.4	3.9
Astrakhan Region	359	380	380	2.4	2.4	2.2	361	444	412	2.5	2.8	2.3
Volgograd Region	359	380	395	2.6	2.6	2.5	487	502	496	3.5	3.5	3.1
Rostov Region	366	383	387	2.5	2.4	2.2	576	560	577	3.9	3.5	3.2

(continued)

	Monthly subscription for local telephone service (unlimited number and duration of telephone calls)						Monthly Internet subscription					
	Total, roubles; December			As a percentage of average income			Total, roubles; December			As a percentage of average income		
	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	263	354	311	2.0	2.3	1.8	813	544	604	6.1	3.6	3.5
Republic of Dagestan	205	223	238	1.3	1.2	1.1	649	676	550	4.1	3.7	2.6
Republic of Ingushetia	171	171	171	1.8	1.5	1.4	1971	1400	1344	20.5	12.1	10.9
Kabardino-Balkarian Republic	313	338	338	2.8	2.7	2.5	495	350	349	4.4	2.8	2.6
Karachaevo-Cherchessian Republic	312	338	338	2.9	2.9	2.6	811	811	811	7.5	6.9	6.2
Republic of North Ossetia – Alania	313	338	338	2.4	2.5	1.9	383	433	560	2.9	3.1	3.2
Chechen Republic	120	120	120	1.0	0.9	0.8	1811	1811	1863	15.1	12.9	12.5
Stavropol Territory	366	387	387	2.8	2.7	2.3	531	649	665	4.1	4.5	4.0
Volga Federal District	342	365	384	2.2	2.1	2.0	497	476	457	3.1	2.8	2.3
Republic of Bashkortostan	334	370	395	1.9	1.9	1.8	306	321	315	1.7	1.7	1.5
Republic of Mari El	343	370	390	3.3	3.3	3.2	418	488	474	4.0	4.3	3.8
Republic of Mordovia	343	370	390	3.0	3.1	3.0	425	425	412	3.8	3.6	3.2
Republic of Tatarstan	357	385	405	1.9	1.9	1.7	511	517	502	2.8	2.6	2.1
Udmurtian Republic	319	310	324	2.5	2.1	2.0	494	489	489	3.8	3.4	3.0
Chuvash Republic	343	370	390	3.1	3.1	2.9	544	544	501	4.9	4.5	3.7
Perm Territory	365	380	380	1.8	1.8	1.7	665	680	680	3.4	3.2	3.0
Kirov Region	309	334	355	2.3	2.3	2.1	442	442	453	3.3	3.0	2.7
Nizhni Novgorod Region	347	375	395	2.1	2.0	1.8	581	472	481	3.5	2.6	2.3
Orenburg Region	343	370	390	2.5	2.5	2.4	502	478	445	3.7	3.2	2.7
Penza Region	343	370	390	2.7	2.6	2.5	527	515	477	4.1	3.6	3.0
Samara Region	332	358	381	1.6	1.6	1.6	450	491	503	2.2	2.3	2.0
Saratov Region	347	375	395	2.9	2.9	2.8	557	557	346	4.6	4.3	2.5
Ulyanovsk Region	343	370	385	2.6	2.6	2.3	536	492	483	4.1	3.4	2.9

(continued)

	Monthly subscription for local telephone service (unlimited number and duration of telephone calls)						Monthly Internet subscription					
	Total, roubles; December			As a percentage of average income			Total, roubles; December			As a percentage of average income		
	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	396	415	412	1.8	1.7	1.6	543	466	581	2.5	1.9	2.3
Kurgan Region	365	380	380	2.7	2.6	2.4	451	429	429	3.3	3.0	2.7
Sverdlovsk Region	365	380	380	1.6	1.5	1.4	253	281	494	1.1	1.1	1.8
Tyumen Region	477	493	492	1.7	1.6	1.5	879	872	867	3.1	2.8	2.7
Of which												
Khanty-Mansi Autonomous District – Yugra	545	560	560	1.2	1.1	1.1	778	781	774	1.7	1.6	1.5
Yamalo-Nenets Autonomous District	565	580	580	0.8	0.7	0.7	1895	1893	1868	2.8	2.4	2.1
Chelyabinsk Region	365	380	380	1.5	1.4	1.4	612	600	600	2.5	2.3	2.1
Siberian Federal District	329	342	350	1.5	1.4	1.3	584	501	494	2.7	2.0	1.8
Republic of Altai	366	380	380	1.8	2.0	1.6	594	503	503	3.0	2.6	2.1
Republic of Buryatia	335	352	357	1.5	1.3	1.3	700	638	655	3.2	2.4	2.4
Republic of Tyva	216	216	216	1.3	1.3	1.2	648	527	512	4.0	3.1	2.9
Republic of Khakasia	329	347	354	1.9	1.8	1.6	887	753	454	5.1	3.9	2.0
Altai Territory	318	355	359	1.9	1.8	1.7	566	561	503	3.4	2.8	2.4
Zabaikalsk Territory	309	323	334	1.4	1.4	1.3	565	581	542	2.7	2.4	2.1
Krasnoyarsk Territory	305	322	332	1.2	1.0	1.0	437	434	440	1.7	1.4	1.3
Irkutsk Region	325	343	351	1.5	1.4	1.2	785	563	560	3.6	2.3	1.9
Kemerovo Region	366	380	380	1.7	1.7	1.5	685	628	635	3.1	2.8	2.5
Novosibirsk Region	332	349	355	1.5	1.4	1.2	399	399	429	1.8	1.6	1.5
Omsk Region	342	359	363	1.5	1.3	1.2	514	440	432	2.2	1.6	1.5
Tomsk Region	348	363	367	1.5	1.4	1.2	626	541	485	2.8	2.1	1.6

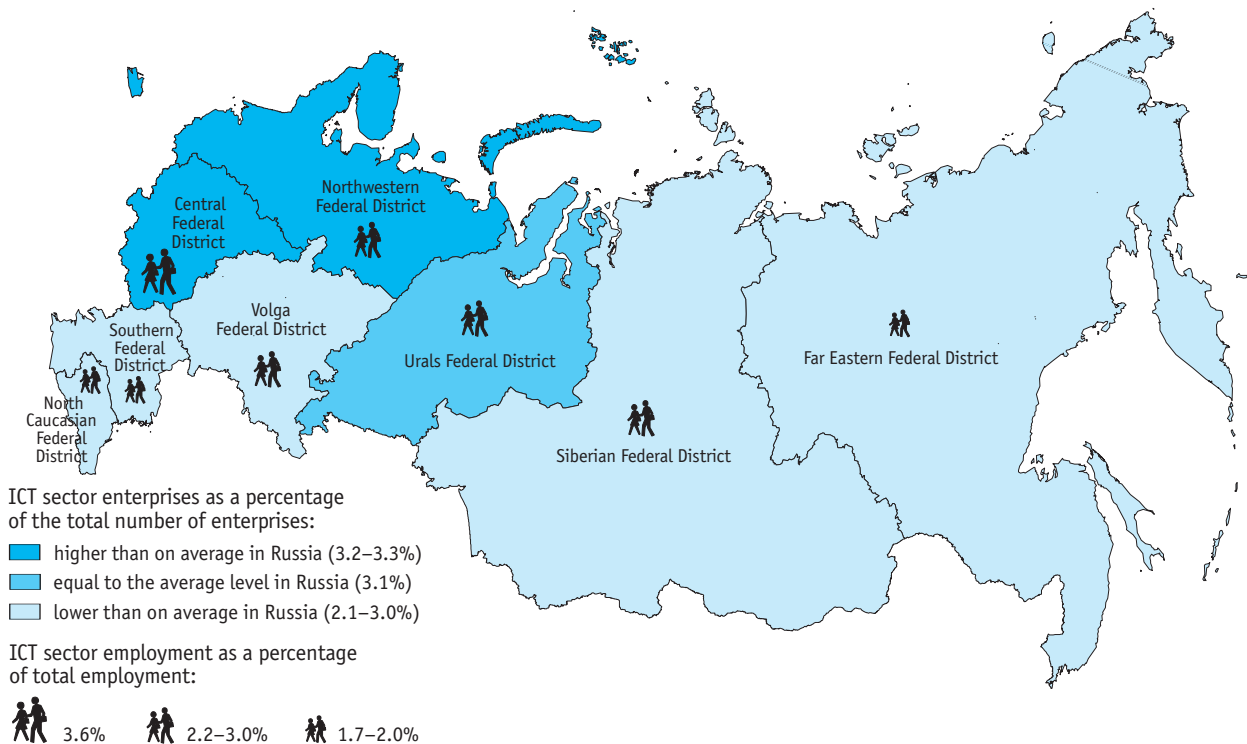
(continued)

	Monthly subscription for local telephone service (unlimited number and duration of telephone calls)						Monthly Internet subscription					
	Total, roubles; December			As a percentage of average income			Total, roubles; December			As a percentage of average income		
	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	395	377	483	1.2	1.0	1.2	1099	888	621	3.4	2.5	1.5
Republic of Sakha (Yakutia)	595	595	595	1.6	1.4	1.2	396	396	396	1.1	0.9	0.8
Kamchatka Territory	450	485	515	1.3	1.4	1.2	606	606	606	1.7	1.8	1.4
Primorsky Territory	391	426	450	1.4	1.4	1.3	915	824	790	3.3	2.7	2.3
Khabarovsk Territory	224	244	454	0.7	0.6	1.0	1693	1693	533	5.0	4.4	1.2
Amur Region	395	429	455	1.6	1.5	1.4	1986	1722	963	8.1	6.2	2.9
Magadan Region	460	490	525	1.0	0.9	0.9	173	173	194	0.4	0.3	0.3
Sakhalin Region	460	495	510	1.1	1.1	1.1	646	1525	1150	1.5	3.3	2.4
Jewish Autonomous Region	351	386	410	1.5	1.6	1.5	1276	1276	657	5.6	5.2	2.4
Chukotka Autonomous District	...	...	710	...	...	0.9	311	311	311	0.6	0.4	0.4

3. ICT Sector



3.1. The ICT sector in the economy: 2012



3.2. Ranking of subjects of the Russian Federation by the share of the ICT sector in the total number of enterprises and total employment: 2012*

	ICT sector enterprises as a percentage of the total number of enterprises	ICT sector employment as a percentage of total employment
Central Federal District	1–2	1
Belgorod Region	5–6	73–75
Bryansk Region	16–20	28–29
Vladimir Region	21–26	6–8
Voronezh Region	27–34	27
Ivanovo Region	55–61	61–63
Kaluga Region	16–20	2
Kostroma Region	79–81	71–72
Kursk Region	43–47	36–38
Lipetsk Region	48–54	56–60
Moscow Region	27–34	24–26
Oryol Region	35–37	16–19
Ryazan Region	27–34	1
Smolensk Region	67–71	24–26
Tambov Region	48–54	9
Tver Region	21–26	39–42
Tula Region	9–10	21–23
Yaroslavl Region	27–34	16–19
Moscow	2–4	4–5

* The places, taken by subjects of the Russian Federation or federal districts, are determined by ranking the indicators' values. The first place is taken by the subject of the Russian Federation or federal district with maximum values, the regions which show equal values are given interval place groups (e.g. 41–42).

(continued)

	ICT sector enterprises as a percentage of the total number of enterprises	ICT sector employment as a percentage of total employment
Northwestern Federal District	1-2	2-3
Republic of Karelia	55-61	49-55
Republic of Komi	38-42	56-60
Arkhangelsk Region	62-66	56-60
Of which Nenets Autonomous District	55-61	64-70
Vologda Region	48-54	73-75
Kaliningrad Region	38-42	24-26
Leningrad Region	82	76-78
Murmansk Region	27-34	39-42
Novgorod Region	16-20	21-23
Pskov Region	48-54	30
Saint-Petersburg	1	6-8
Southern Federal District	6	7
Republic of Adygeya	74-77	73-75
Republic of Kalmykia	67-71	49-55
Krasnodar Territory	48-54	61-63
Astrakhan Region	38-42	45-48
Volgograd Region	21-26	45-48
Rostov Region	21-26	36-38

(continued)

	ICT sector enterprises as a percentage of the total number of enterprises	ICT sector employment as a percentage of total employment
North Caucasian Federal District	8	8
Republic of Dagestan	74–77	79–82
Republic of Ingushetia	55–61	76–78
Kabardino-Balkarian Republic	67–71	34–35
Karachaevo-Cherchessian Republic	79–81	64–70
Republic of North Ossetia – Alania	74–77	33
Chechen Republic	72–73	79–82
Stavropol Territory	62–66	43–44
Volga Federal District	4	2–3
Republic of Bashkortostan	27–34	34–35
Republic of Mari El	43–47	4–5
Republic of Mordovia	38–42	20
Republic of Tatarstan	16–20	13–15
Udmurtian Republic	11–13	6–8
Chuvash Republic	16–20	13–15
Perm Territory	7–8	21–23
Kirov Region	67–71	61–63
Nizhni Novgorod Region	11–13	16–19
Orenburg Region	43–47	79–82
Penza Region	35–37	3
Samara Region	9–10	39–42
Saratov Region	38–42	10
Ulyanovsk Region	21–26	11

(continued)

	ICT sector enterprises as a percentage of the total number of enterprises	ICT sector employment as a percentage of total employment
Urals Federal District	3	5
Kurgan Region	74–77	56–60
Sverdlovsk Region	11–13	28–29
Tyumen Region	7–8	49–55
Of which		
Khanty-Mansi Autonomous District – Yugra	2–4	49–55
Yamalo-Nenets Autonomous District	14–15	64–70
Chelyabinsk Region	21–26	36–38
Siberian Federal District	5	4
Republic of Altai	83	64–70
Republic of Buryatia	55–61	31–32
Republic of Tyva	78	79–82
Republic of Khakasia	43–47	64–70
Altai Territory	62–66	56–60
Zabaikalsk Territory	72–73	49–55
Krasnoyarsk Territory	5–6	45–48
Irkutsk Region	48–54	39–42
Kemerovo Region	27–34	71–72
Novosibirsk Region	14–15	12
Omsk Region	27–34	13–15
Tomsk Region	2–4	16–19

(continued)

	ICT sector enterprises as a percentage of the total number of enterprises	ICT sector employment as a percentage of total employment
Far Eastern Federal District	7	6
Republic of Sakha (Yakutia)	48–54	64–70
Kamchatka Territory	55–61	49–55
Primorsky Territory	62–66	43–44
Khabarovsk Territory	35–37	31–32
Amur Region	67–71	45–48
Magadan Region	55–61	64–70
Sakhalin Region	62–66	49–55
Jewish Autonomous Region	79–81	76–78
Chukotka Autonomous District	43–47	83

3.3. ICT sector enterprises by economic activity: 2012*

(at the end of the year)

	Number of enterprises					ICT sector enterprises as a percentage of the total number of enterprises
	Total	Manufacture of ICT equipment	Wholesale of ICT goods	Telecommunications	ICT services	
Russian Federation	149539	15487	36002	23127	74923	3.1
Central Federal District	65308	6790	14938	9739	33841	3.3
Belgorod Region	1179	93	386	175	525	3.5
Bryansk Region	658	77	190	108	283	3.0
Vladimir Region	1003	138	222	228	415	2.9
Voronezh Region	1517	162	421	223	711	2.8
Ivanovo Region	703	69	144	121	369	2.3
Kaluga Region	791	138	139	135	379	3.0
Kostroma Region	299	25	51	66	157	1.7
Kursk Region	570	50	145	152	223	2.5
Lipetsk Region	507	39	125	85	258	2.4
Moscow Region	6498	793	1206	1412	3087	2.8
Oryol Region	441	98	77	87	179	2.7
Ryazan Region	933	168	230	144	391	2.8
Smolensk Region	542	72	104	95	271	2.1
Tambov Region	423	30	94	111	188	2.4
Tver Region	1021	116	196	204	505	2.9
Tula Region	1224	103	345	185	591	3.3
Yaroslavl Region	1296	124	359	158	655	2.8
Moscow	45703	4495	10504	6050	24654	3.6

* According to data on state incorporation.

(continued)

	Number of enterprises					ICT sector enterprises as a percentage of the total number of enterprises
	Total	Manufacture of ICT equipment	Wholesale of ICT goods	Telecommunications	ICT services	
Northwestern Federal District	19785	2230	4698	2473	10384	3.3
Republic of Karelia	563	40	118	95	310	2.3
Republic of Komi	555	38	102	128	287	2.6
Arkhangelsk Region	569	44	116	145	264	2.2
Of which Nenets Autonomous District	26	2	–	8	16	2.3
Vologda Region	976	99	233	165	479	2.4
Kaliningrad Region	1307	208	322	199	578	2.6
Leningrad Region	590	65	77	140	308	1.5
Murmansk Region	596	52	86	134	324	2.8
Novgorod Region	461	72	102	103	184	3.0
Pskov Region	377	46	88	79	164	2.4
Saint-Petersburg	13791	1566	3454	1285	7486	4.0
Southern Federal District	8007	772	2215	1367	3653	2.6
Republic of Adygeya	138	12	20	41	65	1.9
Republic of Kalmykia	147	12	32	50	53	2.1
Krasnodar Territory	3198	299	878	580	1441	2.4
Astrakhan Region	465	49	84	109	223	2.6
Volgograd Region	1547	129	472	243	703	2.9
Rostov Region	2512	271	729	344	1168	2.9

(continued)

	Number of enterprises					ICT sector enterprises as a percentage of the total number of enterprises
	Total	Manufacture of ICT equipment	Wholesale of ICT goods	Telecommunications	ICT services	
North Caucasian Federal District	2787	292	548	849	1098	2.1
Republic of Dagestan	607	53	63	336	155	1.9
Republic of Ingushetia	98	3	20	50	25	2.3
Kabardino-Balkarian Republic	264	51	22	80	111	2.1
Karachaevo-Cherchessian Republic	113	12	21	33	47	1.7
Republic of North Ossetia – Alania	220	20	28	62	110	1.9
Chechen Republic	208	31	19	95	63	2.0
Stavropol Territory	1277	122	375	193	587	2.2
Volga Federal District	21778	2320	5517	3276	10665	3.0
Republic of Bashkortostan	2365	285	615	379	1086	2.8
Republic of Mari El	388	52	69	76	191	2.5
Republic of Mordovia	412	49	161	67	135	2.6
Republic of Tatarstan	3279	379	654	488	1758	3.0
Udmurtian Republic	1122	105	315	130	572	3.2
Chuvash Republic	712	80	201	128	303	3.0
Perm Territory	2525	249	803	333	1140	3.4
Kirov Region	791	70	182	117	422	2.1
Nizhni Novgorod Region	2891	306	823	392	1370	3.2
Orenburg Region	1011	78	220	213	500	2.5
Penza Region	748	111	145	101	391	2.7
Samara Region	3402	293	851	475	1783	3.3
Saratov Region	1293	193	302	237	561	2.6
Ulyanovsk Region	839	70	176	140	453	2.9

(continued)

	Number of enterprises					ICT sector enterprises as a percentage of the total number of enterprises
	Total	Manufacture of ICT equipment	Wholesale of ICT goods	Telecommunications	ICT services	
Urals Federal District	12451	1293	3414	1964	5780	3.1
Kurgan Region	321	23	68	75	155	1.9
Sverdlovsk Region	5888	613	1905	835	2535	3.2
Tyumen Region	3211	305	565	580	1761	3.4
Of which						
Khanty-Mansi Autonomous District – Yugra	1418	126	212	265	815	3.6
Yamalo-Nenets Autonomous District	360	51	43	83	183	3.1
Chelyabinsk Region	3031	352	876	474	1329	2.9
Siberian Federal District	14992	1441	3868	2340	7343	2.9
Republic of Altai	108	7	26	26	49	1.4
Republic of Buryatia	422	31	72	100	219	2.3
Republic of Tyva	67	4	14	20	29	1.8
Republic of Khakasia	276	16	47	78	135	2.5
Altai Territory	1181	124	265	174	618	2.2
Zabaikalsk Territory	321	21	49	84	167	2.0
Krasnoyarsk Territory	2535	231	751	441	1112	3.5
Irkutsk Region	1495	122	314	289	770	2.4
Kemerovo Region	1475	137	315	293	730	2.8
Novosibirsk Region	4494	451	1430	478	2135	3.1
Omsk Region	1368	152	327	180	709	2.8
Tomsk Region	1250	145	258	177	670	3.6

(continued)

	Number of enterprises					ICT sector enterprises as a percentage of the total number of enterprises
	Total	Manufacture of ICT equipment	Wholesale of ICT goods	Telecommunications	ICT services	
Far Eastern Federal District	4431	349	804	1119	2159	2.4
Republic of Sakha (Yakutia)	621	29	66	180	346	2.4
Kamchatka Territory	267	19	36	84	128	2.3
Primorsky Territory	1482	135	338	300	709	2.2
Khabarovsk Territory	1140	106	244	238	552	2.7
Amur Region	321	13	47	129	132	2.1
Magadan Region	126	10	9	48	59	2.3
Sakhalin Region	380	29	58	105	188	2.2
Jewish Autonomous Region	62	7	4	19	32	1.7
Chukotka Autonomous District	32	1	2	16	13	2.5

3.4. ICT sector employment: 2012*

	Total, thousand, head-count	As a percentage of total employment
Russian Federation	1294.0	2.8
Central Federal District	455.0	3.6
Belgorod Region	6.5	1.3
Bryansk Region	9.3	2.7
Vladimir Region	20.9	4.5
Voronezh Region	19.9	2.8
Ivanovo Region	4.5	1.6
Kaluga Region	16.7	4.9
Kostroma Region	3.0	1.4
Kursk Region	7.3	2.2
Lipetsk Region	6.5	1.7
Moscow Region	58.7	2.9
Oryol Region	8.0	3.3
Ryazan Region	19.5	5.5
Smolensk Region	9.5	2.9
Tambov Region	12.6	4.4
Tver Region	8.3	2.1
Tula Region	14.0	3.0
Yaroslavl Region	14.7	3.3
Moscow	215.0	4.7

* Data on regions of the Russian Federation is provided without taking into account enterprises with RCEA code 51.86 (Rev. 1.1) 'Wholesale of other electronic equipment (components)'.

(continued)

	Total, thousand, head-count	As a percentage of total employment
Northwestern Federal District	149.7	3.0
Republic of Karelia	4.1	1.8
Republic of Komi	6.6	1.7
Arkhangelsk Region	6.9	1.7
Of which Nenets Autonomous District	0.4	1.5
Vologda Region	5.4	1.3
Kaliningrad Region	9.3	2.9
Leningrad Region	6.0	1.2
Murmansk Region	6.2	2.1
Novgorod Region	6.8	3.0
Pskov Region	5.7	2.6
Saint-Petersburg	92.2	4.5
Southern Federal District	70.0	1.9
Republic of Adygeya	1.2	1.3
Republic of Kalmykia	1.1	1.8
Krasnodar Territory	23.6	1.6
Astrakhan Region	5.2	1.9
Volgograd Region	13.2	1.9
Rostov Region	25.6	2.2

(continued)

	Total, thousand, head-count	As a percentage of total employment
North Caucasian Federal District	28.8	1.7
Republic of Dagestan	4.1	1.1
Republic of Ingushetia	0.5	1.2
Kabardino-Balkarian Republic	3.3	2.3
Karachaevo-Cherchessian Republic	1.3	1.5
Republic of North Ossetia – Alania	3.2	2.4
Chechen Republic	1.8	1.1
Stavropol Territory	14.5	2.0
Volga Federal District	294.5	3.0
Republic of Bashkortostan	27.5	2.3
Republic of Mari El	9.6	4.7
Republic of Mordovia	7.7	3.1
Republic of Tatarstan	47.0	3.4
Udmurtian Republic	23.6	4.5
Chuvash Republic	12.3	3.4
Perm Territory	26.1	3.0
Kirov Region	7.2	1.6
Nizhni Novgorod Region	40.3	3.3
Orenburg Region	7.6	1.1
Penza Region	19.2	4.8
Samara Region	24.0	2.1
Saratov Region	28.1	4.1
Ulyanovsk Region	14.5	3.6

(continued)

	Total, thousand, head-count	As a percentage of total employment
Urals Federal District	100	2.2
Kurgan Region	4.3	1.7
Sverdlovsk Region	42.4	2.7
Tyumen Region	28.4	1.8
Of which		
Khanty-Mansi Autonomous District – Yugra	14.1	1.8
Yamalo-Nenets Autonomous District	5.0	1.5
Chelyabinsk Region	24.8	2.2
Siberian Federal District	140.9	2.3
Republic of Altai	0.8	1.5
Republic of Buryatia	6.1	2.5
Republic of Tyva	0.8	1.1
Republic of Khakasia	2.2	1.5
Altai Territory	11.6	1.7
Zabaikalsk Territory	5.7	1.8
Krasnoyarsk Territory	20.0	1.9
Irkutsk Region	16.4	2.1
Kemerovo Region	13.8	1.4
Novosibirsk Region	32.0	3.5
Omsk Region	20.5	3.4
Tomsk Region	10.9	3.3

(continued)

	Total, thousand, head-count	As a percentage of total employment
Far Eastern Federal District	44.4	2.0
Republic of Sakha (Yakutia)	5.3	1.5
Kamchatka Territory	2.3	1.8
Primorsky Territory	12.4	2.0
Khabarovsk Territory	13.5	2.5
Amur Region	5.4	1.9
Magadan Region	1.0	1.5
Sakhalin Region	3.5	1.8
Jewish Autonomous Region	0.6	1.2
Chukotka Autonomous District	0.3	1.0

3.5. Percentage distribution of ICT related goods and services sales by type*

(as a percentage of total ICT goods and services sales)

	ICT equipment		Software		Databases		ICT services	
	2011	2012	2011	2012	2011	2012	2011	2012
Russian Federation	15.8	22.9	1.7	2.1	0.4	0.7	82.1	74.3
Central Federal District	10.1	17.7	1.3	1.8	0.7	0.8	87.9	79.7
Belgorod Region	2.8	0.3	0.01	0.1	–	–	97.2	99.6
Bryansk Region	37.3	25.7	–	0.0	–	–	62.7	74.2
Vladimir Region	71.2	72.9	0.1	0.3	–	–	28.7	26.9
Voronezh Region	16.8	33.0	0.7	3.2	–	–	82.5	63.8
Ivanovo Region	9.5	9.6	0.0	0.6	0.5	–	90.0	89.8
Kaluga Region	67.8	93.8	0.3	0.1	–	0.04	31.9	6.1
Kostroma Region	–	–	0.1	0.1	–	–	99.9	99.9
Kursk Region	30.3	33.7	–	0.1	–	–	69.7	66.2
Lipetsk Region	11.9	11.9	–	0.1	–	–	88.1	88.0
Moscow Region	59.6	34.7	8.5	0.0	–	0.4	31.9	64.9
Oryol Region	10.0	32.4	0.1	0.1	1.0	8.3	88.9	59.2
Ryazan Region	57.2	64.3	3.7	1.4	0.0	0.0	39.1	34.3
Smolensk Region	56.3	66.6	0.0	0.0	–	0.1	43.7	33.3
Tambov Region	62.3	59.7	0.0	0.1	–	–	37.7	40.3
Tver Region	12.0	30.8	0.3	0.2	–	0.3	87.7	68.7
Tula Region	17.4	25.0	2.3	6.5	0.0	0.8	80.3	67.7
Yaroslavl Region	76.2	75.3	0.1	2.0	0.1	0.4	23.6	22.3
Moscow	2.2	3.4	1.3	2.1	0.8	1.0	95.7	93.5

* Data on small businesses is not included.

(continued)

	ICT equipment		Software		Databases		ICT services	
	2011	2012	2011	2012	2011	2012	2011	2012
Northwestern Federal District	26.3	39.0	2.8	2.8	0.1	0.4	70.8	57.8
Republic of Karelia	5.3	3.3	1.8	0.6	–	–	92.9	96.1
Republic of Komi	7.8	1.7	0.1	0.1	–	0.0	92.1	98.2
Arkhangelsk Region	1.9	–	0.0	0.0	–	–	98.1	100
Of which Nenets Autonomous District	55.0	–	–	–	–	–	45.0	100
Vologda Region	–	0.2	–	0.4	–	4.2	100	95.1
Kaliningrad Region	79.8	72.3	0.0	0.4	–	–	20.2	27.3
Leningrad Region	88.3	89.5	–	0.0	–	–	11.7	10.4
Murmansk Region	0.2	0.1	0.4	0.6	0.2	1.9	99.2	97.3
Novgorod Region	9.8	13.4	–	0.1	–	–	90.2	86.5
Pskov Region	39.7	74.1	–	0.2	–	–	60.3	25.7
Saint-Petersburg	19.6	39.0	4.3	3.7	0.1	0.3	76.0	57.0
Southern Federal District	6.4	14.8	0.0	0.4	0.0	0.4	93.6	84.4
Republic of Adygeya	–	43.4	–	–	–	–	100	56.6
Republic of Kalmykia	–	0.0	–	0.4	–	–	100	99.6
Krasnodar Territory	0.1	2.8	–	0.1	0.0	0.1	99.9	97.0
Astrakhan Region	0.2	–	0.0	0.1	0.0	–	99.8	99.9
Volgograd Region	4.0	42.5	0.1	2.2	0.0	0.3	95.9	55.1
Rostov Region	13.5	15.8	0.0	0.0	–	0.8	86.5	83.4

(continued)

	ICT equipment		Software		Databases		ICT services	
	2011	2012	2011	2012	2011	2012	2011	2012
North Caucasian Federal District	8.2	12.3	0.0	0.3	–	0.2	91.8	87.2
Republic of Dagestan	–	20.1	–	–	–	–	100	79.9
Republic of Ingushetia	–	–	–	–	–	–	100	100
Kabardino-Balkarian Republic	7.9	6.6	–	–	–	–	92.1	93.4
Karachaevo-Cherchessian Republic	1.9	1.2	–	–	–	–	98.1	98.8
Republic of North Ossetia – Alania	35.0	33.2	–	–	–	–	65.0	66.8
Chechen Republic	0.0	4.5	–	0.4	–	13.7	100	81.5
Stavropol Territory	1.3	9.3	0.0	0.6	–	–	98.7	90.0
Volga Federal District	32.7	35.2	2.3	2.8	0.0	0.9	65.0	61.1
Republic of Bashkortostan	17.0	25.3	0.0	0.3	–	0.1	83.0	74.3
Republic of Mari El	62.8	64.9	0.0	0.1	0.0	–	37.2	35.1
Republic of Mordovia	73.3	64.2	–	0.1	–	0.2	26.7	35.5
Republic of Tatarstan	24.3	29.4	0.0	0.4	–	0.0	75.7	70.2
Udmurtian Republic	68.4	68.5	0.0	0.0	–	0.3	31.6	31.1
Chuvash Republic	54.2	42.9	0.1	0.7	–	0.0	45.7	56.4
Perm Territory	15.2	20.3	0.2	3.7	0.0	0.3	84.6	75.8
Kirov Region	40.4	40.5	0.0	0.1	0.0	–	59.6	59.4
Nizhni Novgorod Region	27.6	22.1	16.6	13.0	0.3	1.2	55.5	63.8
Orenburg Region	–	5.5	–	0.1	–	–	100	94.4
Penza Region	23.1	40.8	0.1	0.6	0.0	19.3	76.8	39.3
Samara Region	23.5	25.2	0.0	0.3	–	0.2	76.5	74.3
Saratov Region	35.0	36.6	0.0	0.0	0.0	0.1	65.0	63.3
Ulyanovsk Region	70.1	70.2	–	0.1	–	–	29.9	29.8

(continued)

	ICT equipment		Software		Databases		ICT services	
	2011	2012	2011	2012	2011	2012	2011	2012
Urals Federal District	15.5	22.2	3.6	4.3	0.0	0.5	80.9	73.0
Kurgan Region	6.6	6.0	0.0	0.1	–	0.0	93.4	93.9
Sverdlovsk Region	25.1	32.7	6.4	6.6	0.0	0.0	68.5	60.6
Tyumen Region	5.4	2.0	0.3	0.4	–	1.5	94.3	96.2
Of which								
Khanty-Mansi Autonomous District – Yugra	8.9	1.4	0.6	0.6	–	–	90.5	98.1
Yamalo-Nenets Autonomous District	–	0.0	–	–	–	–	100	100
Chelyabinsk Region	11.8	33.8	3.1	5.1	–	0.6	85.1	60.5
Siberian Federal District	20.2	24.2	2.3	2.6	0.2	0.6	77.3	72.6
Republic of Altai	–	–	–	–	1.1	0.7	98.9	99.3
Republic of Buryatia	–	–	0.1	0.2	–	–	99.9	99.8
Republic of Tyva	16.9	–	–	0.6	–	–	83.1	99.4
Republic of Khakasia	–	–	0.2	0.1	–	–	99.8	99.9
Altai Territory	13.1	10.7	–	–	1.6	1.8	85.3	87.5
Zabaikalsk Territory	–	0.1	–	0.1	–	–	100	99.9
Krasnoyarsk Territory	1.5	10.8	1.0	0.5	0.0	0.0	97.5	88.7
Irkutsk Region	1.9	13.2	0.1	0.2	–	–	98.0	86.7
Kemerovo Region	42.0	41.0	0.1	0.2	1.4	0.7	56.5	58.0
Novosibirsk Region	24.8	19.0	7.4	10.0	0.0	1.3	67.8	69.7
Omsk Region	14.4	29.6	0.3	1.5	–	1.6	85.3	67.3
Tomsk Region	59.8	63.6	2.1	1.4	–	0.0	38.1	34.9

(continued)

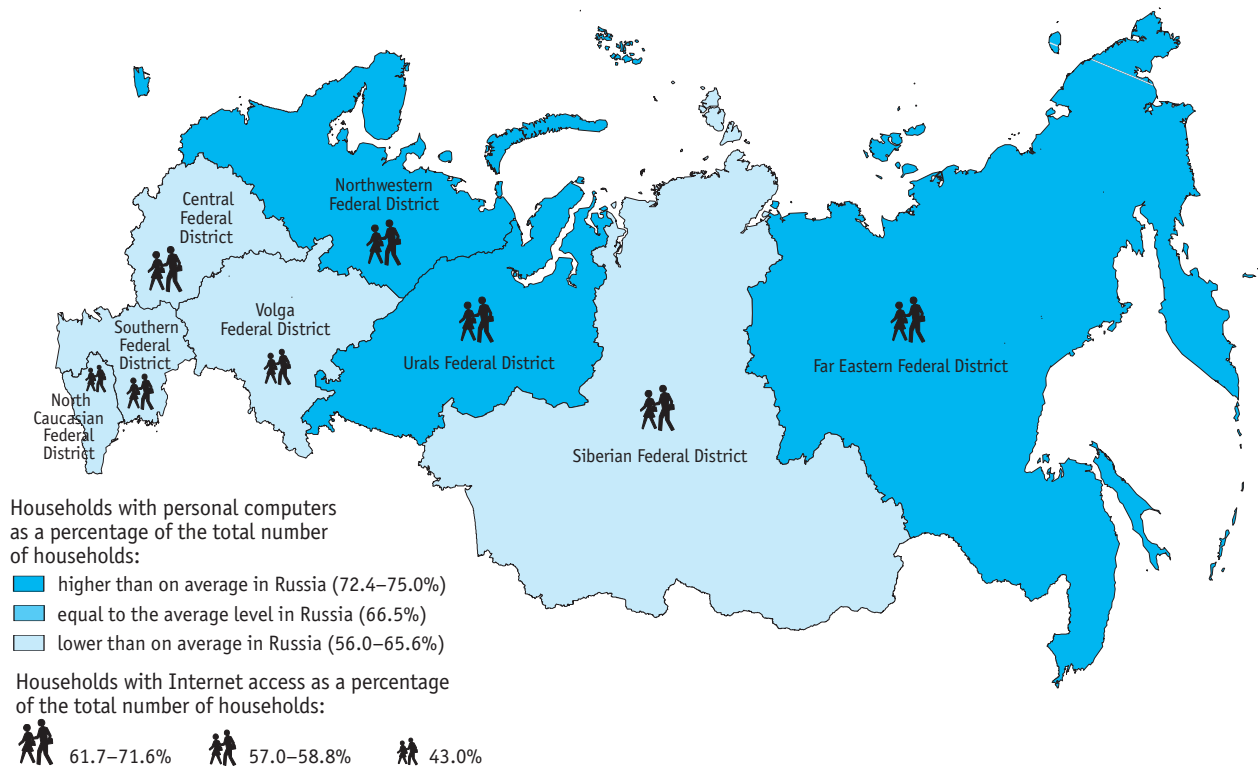
[illegible]

4. ICT Usage by Households



4.1. Households with personal computers and Internet access by federal district: 2012

(as a percentage of the total number of households)



4.2. Ranking of subjects of the Russian Federation by the share of households with ICT equipment in the total number of households: 2012*

	Fixed telephones	Mobile cellular telephones	Personal computers	Internet access
Central Federal District	2	6	7	4
Belgorod Region	41	35–38	30	16
Bryansk Region	43	70–71	72	70
Vladimir Region	58–60	42–43	75	71–72
Voronezh Region	32	53–54	76	67–68
Ivanovo Region	51	76	42	45
Kaluga Region	38–39	69	44	59
Kostroma Region	56	28–30	68	40–41
Kursk Region	70	66	67	64
Lipetsk Region	31	47–48	73	71–72
Moscow Region	14	39–41	66	38
Oryol Region	53	2	37	61
Ryazan Region	79	20	79	77
Smolensk Region	36–37	53–54	71	30–31
Tambov Region	58–60	81	77–78	78
Tver Region	71	46	55	47
Tula Region	40	28–30	54	58
Yaroslavl Region	26	73	31	49
Moscow	1	19	5	1

* The places taken by regions of the Russian Federation or federal districts, are determined by ranking the indicators' values. The first place is taken by the region of the Russian Federation or federal district with maximum values, the regions which show equal values are given interval place groups (e.g. 41–42).

(continued)

	Fixed telephones	Mobile cellular telephones	Personal computers	Internet access
Northwestern Federal District	1	3	2	1
Republic of Karelia	33	6	11	9
Republic of Komi	8	78–79	14	19
Arkhangelsk Region	64	24–27	7	10
Of which Nenets Autonomous District	52	12–14	24	60
Vologda Region	38–39	16–18	50	39
Kaliningrad Region	76	60–61	25	18
Leningrad Region	29–30	35–38	34	6
Murmansk Region	9	1	2–3	8
Novgorod Region	35	50	43	34
Pskov Region	28	67–68	69	66
Saint-Petersburg	2	8	6	2
Southern Federal District	7	5	4	6
Republic of Adygeya	72	16–18	45–47	69
Republic of Kalmykia	75	72	57–58	65
Krasnodar Territory	61	59	35	46
Astrakhan Region	69	60–61	23	23
Volgograd Region	29–30	4–5	17	22
Rostov Region	47	16–18	52–53	43

(continued)

	Fixed telephones	Mobile cellular telephones	Personal computers	Internet access
North Caucasian Federal District	8	8	8	8
Republic of Dagestan	81	64	74	81
Republic of Ingushetia	–	–	83	83
Kabardino-Balkarian Republic	68	39–41	80	80
Karachaevo-Cherchessian Republic	78	21–23	81	79
Republic of North Ossetia – Alania	3	44–45	62	36
Chechen Republic	82	82	82	82
Stavropol Territory	23	24–27	40–41	40–41
Volga Federal District	4	7	6	7
Republic of Bashkortostan	11	57–58	26	25
Republic of Mari El	74	47–48	56	73
Republic of Mordovia	13	78–79	61	62
Republic of Tatarstan	24	62–63	59	35
Udmurtian Republic	50	31	2–3	11
Chuvash Republic	77	75	65	56–57
Perm Territory	21	49	27	54
Kirov Region	46	44–45	32	44
Nizhni Novgorod Region	27	57–58	39	33
Orenburg Region	45	32–33	48–49	52
Penza Region	66	32–33	77–78	67–68
Samara Region	19	55	20	24
Saratov Region	36–37	74	57–58	32
Ulyanovsk Region	15	56	52–53	53

(continued)

	Fixed telephones	Mobile cellular telephones	Personal computers	Internet access
Urals Federal District	5	2	1	2
Kurgan Region	44	67–68	33	50
Sverdlovsk Region	58–60	12–14	18	27
Tyumen Region	17	21–23	4	5
Of which				
Khanty-Mansi Autonomous District – Yugra	6	12–14	1	4
Yamalo-Nenets Autonomous District	5	35–38	15	7
Chelyabinsk Region	48	24–27	12	20
Siberian Federal District	6	4	5	5
Republic of Altai	62–63	62–63	63	55
Republic of Buryatia	57	65	64	74
Republic of Tyva	80	34	60	75–76
Republic of Khakasia	62–63	4–5	13	28
Altai Territory	12	51–52	45–47	29
Zabaikalsk Territory	49	28–30	51	51
Krasnoyarsk Territory	55	24–27	9	12
Irkutsk Region	67	15	45–47	56–57
Kemerovo Region	73	9	38	26
Novosibirsk Region	16	51–52	70	42
Omsk Region	42	11	36	37
Tomsk Region	4	39–41	21–22	15

(continued)

	Fixed telephones	Mobile cellular telephones	Personal computers	Internet access
Far Eastern Federal District	3	1	3	3
Republic of Sakha (Yakutia)	22	21–23	10	75–76
Kamchatka Territory	20	35–38	19	13–14
Primorsky Territory	18	3	21–22	21
Khabarovsk Territory	54	7	8	13–14
Amur Region	25	10	28	17
Magadan Region	34	70–71	29	63
Sakhalin Region	10	77	48–49	30–31
Jewish Autonomous Region	65	42–43	40–41	48
Chukotka Autonomous District	7	80	16	3

4.3. Households with telephones

(as a percentage of the total number of households)

	Total			Of which					
				fixed telephones			mobile cellular telephones		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	97.9	98.3	98.7	70.3	69.2	65.2	93.3	94.7	96.0
Central Federal District	97.6	98.3	98.7	74.4	75.0	72.7	92.7	94.4	95.9
Belgorod Region	93.4	98.6	98.9	61.6	69.8	61.8	85.2	91.6	96.5
Bryansk Region	98.1	98.2	97.4	59.9	61.0	61.4	94.4	95.5	92.6
Vladimir Region	96.3	97.7	98.3	57.5	52.8	53.3	92.4	95.0	96.3
Voronezh Region	97.2	97.4	98.7	65.0	53.1	64.5	92.5	91.2	95.2
Ivanovo Region	90.5	97.5	96.0	48.3	57.1	57.6	84.1	94.2	92.0
Kaluga Region	98.0	97.7	97.4	65.3	63.1	62.5	93.9	94.3	92.9
Kostroma Region	96.6	98.3	99.2	52.4	57.8	54.5	92.4	90.9	97.0
Kursk Region	93.9	97.0	96.5	52.4	49.3	47.3	89.9	94.2	93.5
Lipetsk Region	94.5	95.2	97.7	74.5	68.4	64.6	90.7	92.7	95.9
Moscow Region	98.4	98.4	98.7	72.4	81.5	74.2	94.2	95.3	96.4
Oryol Region	99.1	99.1	99.9	58.7	61.0	56.7	96.8	98.0	99.6
Ryazan Region	97.5	98.0	99.0	60.7	41.4	30.7	91.7	96.0	97.4
Smolensk Region	94.9	96.8	98.9	69.7	67.0	63.0	88.5	90.3	95.2
Tambov Region	88.4	91.2	94.4	67.7	61.6	53.3	78.2	83.6	88.1
Tver Region	98.5	97.9	97.7	52.7	50.2	44.6	95.8	96.6	96.1
Tula Region	99.1	97.5	99.0	61.6	62.0	61.9	93.5	93.4	97.0
Yaroslavl Region	98.8	97.9	98.4	80.1	72.1	65.4	87.5	90.6	92.4
Moscow	100	100	100	99.6	99.8	99.7	95.8	96.5	97.5

(continued)

	Total			Of which					
				fixed telephones			mobile cellular telephones		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	98.6	98.4	99.4	78.7	77.7	75.4	95.7	95.2	96.9
Republic of Karelia	99.4	99.0	99.3	76.8	74.6	64.3	96.3	95.1	98.7
Republic of Komi	99.1	96.6	98.9	80.5	79.7	77.2	93.2	90.1	90.5
Arkhangelsk Region	97.1	98.1	98.4	62.3	55.7	52.2	96.2	95.5	97.1
Of which Nenets Autonomous District	99.4	99.4	100	74.5	69.3	56.8	91.7	91.1	97.8
Vologda Region	98.4	98.9	98.8	65.3	63.8	62.5	95.8	96.4	97.6
Kaliningrad Region	94.8	98.6	98.4	40.4	45.8	39.7	92.7	96.8	94.3
Leningrad Region	97.2	95.2	98.3	69.0	67.0	64.7	93.6	89.4	96.5
Murmansk Region	99.8	99.4	100	83.8	80.5	76.5	97.6	96.4	100
Novgorod Region	97.3	96.9	97.8	70.0	67.7	63.2	91.3	94.3	95.4
Pskov Region	98.7	97.4	99.7	68.3	68.7	64.9	91.0	93.0	93.3
Saint-Petersburg	100	100	100	99.9	98.9	98.6	98.3	97.9	98.4
Southern Federal District	98.3	98.6	98.4	64.7	61.4	56.5	94.2	95.4	96.4
Republic of Adygeya	97.9	97.6	98.6	51.4	49.6	44.1	96.0	96.0	97.6
Republic of Kalmykia	92.0	91.3	96.0	42.4	36.6	40.7	87.0	88.1	92.5
Krasnodar Territory	97.6	97.9	97.1	66.0	65.2	53.2	92.1	92.6	94.5
Astrakhan Region	98.3	97.2	97.9	49.8	47.6	47.6	94.3	93.5	94.3
Volgograd Region	99.8	99.8	99.7	74.7	68.0	64.7	97.7	99.0	99.2
Rostov Region	98.7	99.4	99.4	63.0	58.6	59.4	94.5	97.1	97.6

(continued)

	Total			Of which					
				fixed telephones			mobile cellular telephones		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	96.9	96.3	94.7	47.1	58.2	42.0	93.9	92.2	93.9
Republic of Dagestan	98.5	98.9	94.1	10.1	7.0	0.5	98.3	98.9	94.1
Republic of Ingushetia	90.5	...	...	0.2	...	...	90.5	...	...
Kabardino-Balkarian Republic	96.0	100	97.2	61.1	53.6	47.8	91.5	98.9	96.4
Karachaevo-Cherchessian Republic	95.9	97.8	97.9	45.0	40.2	33.0	94.8	95.9	97.2
Republic of North Ossetia – Alania	98.7	98.9	99.2	90.8	87.7	87.1	89.4	92.9	96.2
Chechen Republic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stavropol Territory	96.3	96.0	98.1	65.2	57.4	66.5	92.6	91.2	97.1
Volga Federal District	97.9	97.8	98.8	70.4	68.1	64.3	91.5	92.9	94.8
Republic of Bashkortostan	99.3	99.1	99.5	78.6	78.9	74.7	94.7	95.7	94.9
Republic of Mari El	95.0	94.8	97.4	59.6	46.4	42.1	93.4	92.3	95.9
Republic of Mordovia	97.2	98.6	98.6	76.2	73.9	74.3	83.0	90.2	90.5
Republic of Tatarstan	96.5	98.4	99.4	72.0	65.6	65.9	89.6	93.8	94.2
Udmurtian Republic	99.9	99.2	98.5	67.9	68.7	57.9	98.4	97.7	96.9
Chuvash Republic	96.1	91.5	96.4	52.0	45.5	35.6	94.1	84.7	92.2
Perm Territory	98.3	98.2	100	70.1	69.9	68.1	92.3	93.4	95.6
Kirov Region	98.3	97.5	97.7	69.4	66.8	59.8	92.6	92.4	96.2
Nizhni Novgorod Region	98.7	99.2	99.7	67.6	72.0	65.0	88.8	92.9	94.9
Orenburg Region	98.1	98.5	98.9	70.7	69.2	61.0	93.6	95.4	96.8
Penza Region	98.3	96.5	99.4	52.2	50.7	50.8	96.5	94.8	96.8
Samara Region	97.2	97.9	98.6	73.8	68.4	69.9	87.8	93.5	95.1
Saratov Region	96.6	95.4	97.0	72.6	67.3	63.0	88.4	85.9	92.3
Ulyanovsk Region	98.8	98.6	98.9	79.3	77.4	72.7	92.2	93.3	95.0

(continued)

	Total			Of which					
				fixed telephones			mobile cellular telephones		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	98.8	99.1	99.2	71.7	64.7	60.6	93.9	96.6	97.1
Kurgan Region	96.7	97.2	96.8	64.1	55.7	61.2	88.7	92.9	93.3
Sverdlovsk Region	98.8	99.1	99.0	64.7	62.9	53.3	93.7	97.8	97.8
Tyumen Region	99.1	99.1	99.3	79.8	68.9	72.1	93.6	96.9	97.2
Of which									
Khanty-Mansi Autonomous District – Yugra	99.3	99.9	98.8	87.9	72.6	79.1	95.2	98.7	97.8
Yamalo-Nenets Autonomous District	99.7	99.5	99.5	86.2	75.5	79.5	91.6	95.1	96.5
Chelyabinsk Region	99.2	99.9	99.9	75.4	65.7	59.1	95.8	96.0	97.1
Siberian Federal District	97.5	98.8	98.9	64.2	62.3	59.2	93.4	95.7	96.8
Republic of Altai	98.0	96.2	96.5	65.0	60.6	53.1	92.3	90.9	94.2
Republic of Buryatia	95.0	95.1	96.0	58.5	50.2	53.8	90.6	93.1	93.9
Republic of Tyva	92.8	91.9	96.6	26.9	24.1	16.7	91.4	88.1	96.6
Republic of Khakasia	98.9	99.6	99.6	49.9	48.7	53.1	97.3	98.5	99.2
Altai Territory	97.8	99.0	99.3	75.5	75.9	74.5	92.6	94.1	95.3
Zabaikalsk Territory	98.6	99.2	99.0	73.2	69.9	58.3	91.0	93.0	97.0
Krasnoyarsk Territory	98.6	99.7	98.1	67.7	61.5	55.2	97.2	97.9	97.1
Irkutsk Region	97.8	98.5	98.6	63.7	50.9	48.0	95.7	97.9	97.7
Kemerovo Region	97.0	99.4	99.8	55.1	55.5	42.5	93.9	97.3	98.3
Novosibirsk Region	94.9	98.1	98.7	64.6	68.3	72.4	88.2	92.8	95.3
Omsk Region	98.8	99.6	99.7	53.7	65.0	61.6	95.3	97.0	98.1
Tomsk Region	99.6	99.0	100	83.9	75.5	84.8	91.5	95.5	96.4

(continued)

	Total			Of which					
				fixed telephones			mobile cellular telephones		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	98.8	99.1	99.5	75.9	72.3	66.1	95.8	97.3	97.6
Republic of Sakha (Yakutia)	99.4	99.7	99.9	88.7	84.6	67.2	94.7	96.2	97.2
Kamchatka Territory	98.6	97.6	99.7	81.9	72.6	69.3	89.5	94.3	96.5
Primorsky Territory	98.7	99.3	99.7	78.1	76.8	70.5	96.3	98.6	99.4
Khabarovsk Territory	99.3	99.6	99.7	71.3	65.7	56.5	98.4	98.7	98.6
Amur Region	97.7	99.3	99.5	64.6	64.3	65.8	96.0	97.6	98.2
Magadan Region	99.0	94.7	98.3	80.6	59.2	64.2	93.2	91.5	92.6
Sakhalin Region	99.8	99.5	99.5	77.0	74.7	75.0	94.2	95.7	91.4
Jewish Autonomous Region	97.1	95.2	97.9	59.6	57.9	51.1	93.1	93.3	96.3
Chukotka Autonomous District	99.6	98.2	93.6	95.1	71.4	78.0	93.8	96.8	90.0

4.4. Households with personal computers and Internet access

(as a percentage of the total number of households)

	Personal computers			Internet access (from any device)			Of which from computers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	54.5	60.1	66.5	48.4	56.8	60.3	41.3	50.2	55.1
Central Federal District	55.3	58.4	64.5	50.9	57.4	61.7	43.2	50.4	56.1
Belgorod Region	52.6	55.2	68.1	54.9	63.5	67.8	35.6	50.7	54.5
Bryansk Region	48.7	49.8	55.4	34.3	41.1	46.9	31.4	39.1	44.9
Vladimir Region	48.1	47.7	51.4	36.3	41.3	46.4	34.0	37.8	44.1
Voronezh Region	45.3	45.5	50.0	31.1	39.5	48.5	25.6	34.7	42.3
Ivanovo Region	37.6	45.9	63.7	32.1	45.5	55.5	28.3	39.0	49.5
Kaluga Region	50.1	61.1	63.3	42.3	51.1	51.6	38.0	47.5	47.3
Kostroma Region	44.2	48.5	57.9	41.5	52.4	56.9	37.7	45.2	50.0
Kursk Region	31.3	42.6	58.0	22.8	42.5	49.2	14.0	31.7	40.1
Lipetsk Region	42.0	47.0	54.9	37.5	36.7	46.4	34.2	34.5	43.8
Moscow Region	60.1	54.8	58.4	54.5	52.4	57.1	45.9	44.0	51.2
Oryol Region	47.0	49.0	65.2	33.4	40.6	50.6	31.9	39.5	48.5
Ryazan Region	36.8	49.6	44.9	27.6	42.8	42.8	24.5	39.5	38.7
Smolensk Region	41.2	56.8	56.9	36.4	55.8	58.4	23.8	51.2	53.1
Tambov Region	30.2	37.0	47.3	22.7	29.7	41.0	19.9	24.6	33.8
Tver Region	46.5	55.4	60.9	37.9	52.0	55.1	31.4	46.5	51.3
Tula Region	44.5	49.9	61.0	32.1	38.6	51.8	28.2	34.5	47.9
Yaroslavl Region	44.1	58.1	67.1	44.1	55.4	54.7	36.7	47.5	51.9
Moscow	75.1	76.0	80.8	78.7	82.3	82.7	68.0	73.2	76.8

(continued)

	Personal computers			Internet access (from any device)			Of which from computers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	63.6	70.4	73.8	60.7	69.2	71.6	55.4	63.8	66.7
Republic of Karelia	68.5	72.1	76.6	65.2	66.7	71.0	63.9	64.9	69.3
Republic of Komi	64.8	68.5	74.2	51.5	62.1	65.5	49.8	59.3	63.4
Arkhangelsk Region	64.3	74.0	80.3	56.3	66.5	70.8	54.1	66.5	69.7
Of which Nenets Autonomous District	64.5	67.4	70.0	45.5	54.5	51.1	45.5	54.5	47.6
Vologda Region	49.3	57.8	61.7	44.9	55.3	57.0	34.8	46.0	47.9
Kaliningrad Region	47.4	63.6	69.6	46.9	65.1	66.0	40.2	57.4	61.9
Leningrad Region	60.4	64.2	66.1	63.2	68.2	73.0	54.4	57.3	63.5
Murmansk Region	69.4	77.8	82.8	63.9	71.2	72.1	61.0	68.1	69.3
Novgorod Region	59.2	61.3	63.4	48.4	55.5	57.6	46.6	52.9	55.2
Pskov Region	50.7	52.8	57.2	41.8	47.6	48.8	36.7	42.9	43.9
Saint-Petersburg	72.1	79.0	80.5	73.5	81.0	82.0	67.7	75.6	77.3
Southern Federal District	47.3	56.1	65.6	40.8	55.0	57.4	33.2	47.0	52.0
Republic of Adygeya	44.2	53.4	62.5	27.5	43.8	48.0	18.3	35.9	41.1
Republic of Kalmykia	36.4	47.5	60.1	28.2	43.0	49.0	22.0	34.2	41.3
Krasnodar Territory	49.8	53.9	66.0	38.2	54.1	55.2	31.9	43.8	48.2
Astrakhan Region	55.1	65.1	70.3	47.6	61.6	62.3	41.9	60.0	60.3
Volgograd Region	55.5	68.1	71.5	50.5	62.1	63.2	47.1	59.8	61.2
Rostov Region	38.4	49.8	61.2	38.4	52.0	56.7	26.1	41.7	50.7

(continued)

	Personal computers			Internet access (from any device)			Of which from computers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	42.0	47.5	56.0	37.6	42.8	43.0	27.8	30.8	37.5
Republic of Dagestan	37.8	42.7	52.3	33.1	30.2	25.2	22.1	13.6	20.0
Republic of Ingushetia	5.2	...	13.0	10.0	...	11.0	9.2	...	...
Kabardino-Balkarian Republic	44.6	35.9	42.6	32.4	34.7	35.6	23.9	29.8	32.1
Karachaevo-Cherchessian Republic	23.3	33.2	40.8	28.5	40.9	39.9	15.0	27.4	31.1
Republic of North Ossetia – Alania	46.2	50.2	59.3	50.2	59.1	57.3	37.7	45.3	48.8
Chechen Republic	0.0	12.0	16.0	0.0	0.0	17.6	0.0	0.0	15.6
Stavropol Territory	49.6	51.2	64.4	43.3	52.0	56.9	34.2	42.2	52.7
Volga Federal District	51.3	58.3	64.7	43.9	53.3	57.0	38.1	48.4	52.9
Republic of Bashkortostan	54.7	62.6	69.5	49.4	58.5	60.4	40.6	51.9	56.6
Republic of Mari El	49.3	52.6	60.5	34.4	44.8	46.2	28.2	38.6	41.4
Republic of Mordovia	40.1	42.1	59.6	41.0	43.5	50.1	26.3	35.0	44.7
Republic of Tatarstan	58.7	56.7	59.9	49.8	52.3	57.4	45.8	48.6	51.8
Udmurtian Republic	65.8	73.6	82.8	57.7	67.8	70.5	51.5	64.8	67.4
Chuvash Republic	58.6	58.2	58.9	44.0	57.0	51.9	40.5	53.9	48.7
Perm Territory	57.7	58.6	69.3	42.1	50.8	53.1	37.0	46.9	49.7
Kirov Region	48.5	60.5	66.8	36.1	52.9	55.7	30.6	49.2	53.3
Nizhni Novgorod Region	37.7	50.9	64.8	34.9	49.5	57.9	28.0	43.9	52.9
Orenburg Region	47.7	60.1	62.0	42.0	52.2	53.6	38.5	49.5	51.9
Penza Region	38.0	39.2	47.3	34.8	42.9	48.5	25.4	35.2	42.4
Samara Region	55.9	69.4	70.7	50.0	55.6	61.3	45.7	51.6	57.9
Saratov Region	48.4	58.1	60.1	41.0	55.6	58.2	36.5	48.2	52.9
Ulyanovsk Region	47.3	53.9	61.2	44.1	50.6	53.3	40.7	48.9	51.6

(continued)

	Personal computers			Internet access (from any device)			Of which from computers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	60.5	65.9	75.0	53.9	59.2	64.5	47.9	55.1	60.5
Kurgan Region	43.0	59.5	66.7	38.7	48.8	54.5	33.5	48.1	53.1
Sverdlovsk Region	55.5	58.1	71.3	49.8	52.8	59.9	41.4	48.6	56.5
Tyumen Region	69.6	76.4	81.7	62.4	71.3	73.2	55.6	65.3	67.7
Of which									
Khanty-Mansi Autonomous District – Yugra	75.0	76.9	87.5	71.0	71.2	74.4	62.4	67.9	72.8
Yamalo-Nenets Autonomous District	81.5	86.9	72.3	69.5	73.7	72.6	61.7	67.8	67.1
Chelyabinsk Region	63.4	68.1	75.8	55.4	59.1	64.8	53.2	56.1	60.8
Siberian Federal District	54.8	58.6	65.3	45.5	55.1	58.8	37.7	47.8	51.7
Republic of Altai	51.2	46.4	59.1	39.0	41.9	52.4	27.2	32.1	43.3
Republic of Buryatia	52.7	52.0	59.0	34.7	44.3	45.9	29.0	38.0	40.3
Republic of Tyva	42.0	55.0	59.8	30.1	45.5	44.3	11.8	21.1	22.3
Republic of Khakasia	51.5	62.4	74.5	38.0	53.0	59.4	32.8	49.4	55.7
Altai Territory	48.4	54.5	62.5	38.0	50.7	59.1	33.5	41.0	50.8
Zabaikalsk Territory	43.7	54.7	61.5	35.0	48.7	54.0	27.5	40.9	44.8
Krasnoyarsk Territory	68.9	70.4	78.6	56.8	67.2	69.2	46.4	58.7	61.9
Irkutsk Region	52.1	56.4	62.5	45.0	49.2	51.9	33.0	43.5	44.6
Kemerovo Region	55.0	59.9	65.0	40.9	53.7	60.2	34.3	46.2	50.7
Novosibirsk Region	51.2	51.6	57.0	45.7	54.6	56.8	40.6	47.1	52.5
Omsk Region	58.3	61.6	65.7	57.1	59.8	57.2	49.5	57.0	54.1
Tomsk Region	57.4	61.6	70.5	51.5	63.8	68.4	42.4	55.4	60.7

(continued)

	Personal computers			Internet access (from any device)			Of which from computers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	59.6	67.0	72.4	50.6	60.1	61.9	40.8	51.9	55.4
Republic of Sakha (Yakutia)	74.9	74.4	77.6	44.2	39.1	44.3	34.4	35.5	36.5
Kamchatka Territory	61.8	70.1	71.2	58.8	67.3	68.7	54.2	63.9	63.8
Primorsky Territory	53.6	63.5	70.5	50.9	61.8	63.4	38.4	54.7	57.7
Khabarovsk Territory	63.6	68.6	79.7	50.4	68.7	68.7	43.3	55.0	62.3
Amur Region	53.7	66.1	69.1	56.2	63.1	66.8	40.7	50.7	57.6
Magadan Region	57.4	69.0	68.6	48.4	57.1	49.8	45.3	54.4	48.4
Sakhalin Region	58.2	63.6	62.0	44.8	54.8	58.4	41.6	50.4	53.7
Jewish Autonomous Region	54.1	63.0	64.4	47.7	60.1	55.0	41.7	51.5	47.5
Chukotka Autonomous District	61.7	75.0	71.6	69.4	72.4	80.2	49.0	63.8	66.7

4.5. Personal computers and mobile cellular telephones per 100 households

	Personal computers			Mobile cellular telephones		
	2010	2011	2012	2010	2011	2012
Russian Federation	63	75	86	228	237	244
Central Federal District	67	76	85	226	234	239
Belgorod Region	59	66	85	216	230	258
Bryansk Region	51	56	73	218	228	212
Vladimir Region	50	60	62	225	234	238
Voronezh Region	49	50	59	206	205	218
Ivanovo Region	41	52	82	180	201	220
Kaluga Region	54	67	84	223	220	225
Kostroma Region	54	58	80	216	210	230
Kursk Region	34	44	66	214	221	230
Lipetsk Region	45	55	72	200	213	231
Moscow Region	72	78	82	237	244	246
Oryol Region	50	56	82	227	234	253
Ryazan Region	41	51	54	205	193	205
Smolensk Region	47	66	68	204	212	205
Tambov Region	33	39	59	171	184	203
Tver Region	54	65	76	228	237	246
Tula Region	58	57	71	199	208	229
Yaroslavl Region	51	71	82	203	215	215
Moscow	99	105	112	252	258	256

(continued)

	Personal computers			Mobile cellular telephones		
	2010	2011	2012	2010	2011	2012
Northwestern Federal District	76	92	100	232	243	239
Republic of Karelia	81	81	95	216	221	230
Republic of Komi	81	99	99	242	242	248
Arkhangelsk Region	75	96	108	245	238	251
Of which Nenets Autonomous District	84	87	88	209	222	217
Vologda Region	56	66	84	224	228	247
Kaliningrad Region	51	71	85	211	233	216
Leningrad Region	63	78	84	214	213	226
Murmansk Region	101	113	118	273	271	284
Novgorod Region	74	75	85	231	225	224
Pskov Region	59	67	79	209	212	220
Saint-Petersburg	88	107	112	238	266	240
Southern Federal District	54	67	85	229	240	250
Republic of Adygeya	52	61	74	253	254	274
Republic of Kalmykia	40	50	72	235	236	262
Krasnodar Territory	56	66	85	212	239	242
Astrakhan Region	64	84	91	237	235	250
Volgograd Region	58	78	84	231	237	244
Rostov Region	46	61	87	242	245	261

(continued)

	Personal computers			Mobile cellular telephones		
	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	47	51	66	251	249	279
Republic of Dagestan	38	43	58	253	242	272
Republic of Ingushetia	5	...	...	240	...	...
Kabardino-Balkarian Republic	52	40	52	277	297	324
Karachaevo-Cherchessian Republic	26	46	53	236	253	255
Republic of North Ossetia – Alania	52	55	66	237	245	259
Chechen Republic	0	6	11	230	234	228
Stavropol Territory	59	61	82	250	253	287
Volga Federal District	57	71	85	222	232	243
Republic of Bashkortostan	63	77	87	236	250	265
Republic of Mari El	54	61	73	230	230	252
Republic of Mordovia	42	44	66	192	193	202
Republic of Tatarstan	60	65	75	235	244	261
Udmurtian Republic	76	89	106	266	266	279
Chuvash Republic	60	63	85	240	230	237
Perm Territory	66	83	103	214	234	250
Kirov Region	54	73	86	222	249	249
Nizhni Novgorod Region	40	57	88	202	222	231
Orenburg Region	58	68	79	217	236	225
Penza Region	40	47	54	233	219	235
Samara Region	59	90	98	202	217	232
Saratov Region	60	74	79	214	213	218
Ulyanovsk Region	54	73	78	236	240	251

(continued)

	Personal computers			Mobile cellular telephones		
	2010	2011	2012	2010	2011	2012
Urals Federal District	69	82	98	232	241	245
Kurgan Region	48	66	82	195	209	216
Sverdlovsk Region	62	70	89	231	236	249
Tyumen Region	84	103	112	238	265	254
Of which						
Khanty-Mansi Autonomous District – Yugra	93	110	130	263	304	268
Yamalo-Nenets Autonomous District	112	115	96	249	253	227
Chelyabinsk Region	71	83	99	236	236	240
Siberian Federal District	62	69	80	224	234	240
Republic of Altai	58	51	67	212	209	217
Republic of Buryatia	60	61	68	227	241	237
Republic of Tyva	43	60	70	213	219	242
Republic of Khakasia	54	71	84	218	234	245
Altai Territory	53	60	73	215	214	223
Zabaikalsk Territory	50	62	75	222	230	253
Krasnoyarsk Territory	82	95	112	254	260	247
Irkutsk Region	58	63	71	225	239	235
Kemerovo Region	59	68	76	212	221	240
Novosibirsk Region	63	62	68	213	228	232
Omsk Region	60	69	82	228	242	263
Tomsk Region	71	78	91	226	237	237

(continued)

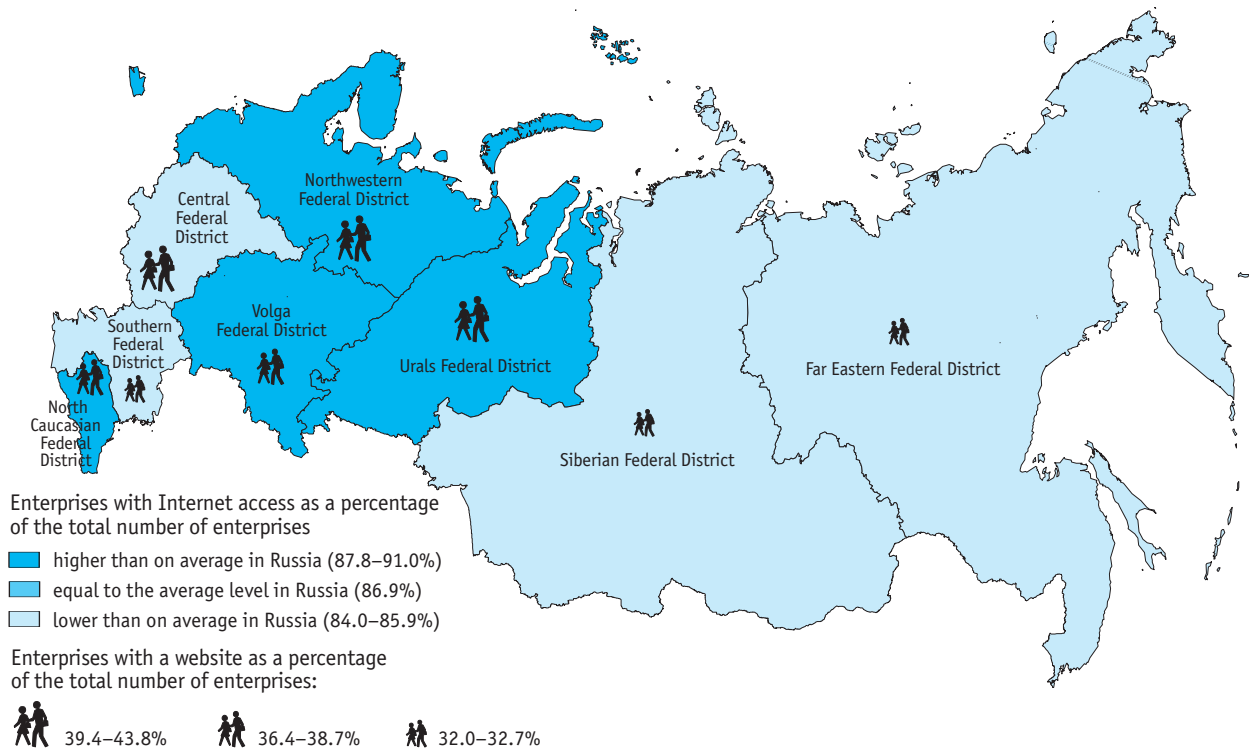
	Personal computers			Mobile cellular telephones		
	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	70	86	96	235	251	254
Republic of Sakha (Yakutia)	94	101	111	265	284	307
Kamchatka Territory	76	100	104	201	248	240
Primorsky Territory	61	86	92	235	255	250
Khabarovsk Territory	74	85	104	250	257	269
Amur Region	62	78	83	229	234	245
Magadan Region	69	87	87	176	219	202
Sakhalin Region	73	77	83	206	221	201
Jewish Autonomous Region	65	73	85	218	237	232
Chukotka Autonomous District	79	88	87	224	196	223

5. ICT Usage by Enterprises



5.1. Enterprises with Internet access and a website by federal district: 2012

(as a percentage of the total number of enterprises)



5.2. Ranking of regions of the Russian Federation by the share of enterprises with Internet access and a website in the total number of enterprises: 2012*

	Enterprises — total		Business enterprises		Public authorities		Cultural institutions		Health care institutions		Higher education institutions	
	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website
Central Federal District	5	2	2	1	8	4	7	5	3	3	6-7	1
Belgorod Region	42	55	18	34–35	45–46	46	68	44	47–48	4	1–54	1–7
Bryansk Region	80	78	56	58	75–76	75	78	77	67	58	1–54	63
Vladimir Region	30	14	23	25	61	13	41	29	49–50	52	79–80	46
Voronezh Region	65	32	44	38–40	75–76	32	64	48	1–25	11	1–54	13–14
Ivanovo Region	41	35	55	32–33	29	30	39–40	46	63–64	27	1–54	10
Kaluga Region	68	45	30	13	82	76	58	55	1–25	43–45	69	57
Kostroma Region	63	65–67	64–65	60	57	63	63	59	45–46	41–42	1–54	44–45
Kursk Region	82	61	61	49–50	72	36–37	80	73	37–39	10	74–75	66–69
Lipetsk Region	47	46–47	27	16	21	36–37	65–66	67	40–41	43–45	1–54	13–14
Moscow Region	24	11	24	9	35	12	35	38	57	43–45	60	39
Oryol Region	70	71	54	45	77	74	74	74	1–25	48	1–54	26–28
Ryazan Region	56	26	7	11	81	65	33	7	1–25	29	1–54	9
Smolensk Region	35	44	46	52	25–26	41–42	39–40	22–23	1–25	40	1–54	18
Tambov Region	73	49	81	69	23	21–22	37	24	37–39	5	77	60–62
Tver Region	75	62–63	49	51	80	70	76	56	62	63	72	42–43
Tula Region	66–67	46–47	60	30	67–68	51	56	35	63–64	64	73	71–73
Yaroslavl Region	33	12	35–36	14	51	19	34	26–27	33–34	33	65	19
Moscow	1	1	1	1	6–7	2	4	1	37–39	8	1–54	8

* The places taken by regions of the Russian Federation or federal districts, are determined by ranking the indicators' values. The first place is taken by the region of the Russian Federation or federal district with maximum values, the regions which show equal values are given interval place groups (e.g. 41–42).

(continued)

	Enterprises — total		Business enterprises		Public authorities		Cultural institutions		Health care institutions		Higher education institutions	
	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website
Northwestern Federal District	1	1	1	2	1	1	1	1	6	4	3	3
Republic of Karelia	4	5	3–4	8	5	4	24	4	1–25	9	1–54	26–28
Republic of Komi	57	65–67	69	70	32–34	47	51	39	54	50	1–54	31–32
Arkhangelsk Region	22–23	40–41	28–29	26	19	49	44	42	72	47	70–71	64–65
Of which Nenets Autonomous District	25	8	8	31	31	8	48	49–50	79	81		
Vologda Region	58–59	52	47	36	44	34	46	57	35–36	6	1–54	1–7
Kaliningrad Region	43	33–34	57–58	53–54	49	27	25	22–23	43–44	25	1–54	58
Leningrad Region	12	17	16	27	24	7	16	33	43–44	34	1–54	71–73
Murmansk Region	39–40	15–16	41	38–40	45–46	9–10	18	8	80	61	1–54	17
Novgorod Region	6–7	7	11	10	17–18	16	5	15	1–25	69	1–54	53–55
Pskov Region	39–40	65–67	66	61–62	27	67	12	28	45–46	41–42	1–54	48–51
Saint-Petersburg	5	2	2	2	32–34	5	13	2	52–53	36	61	21
Southern Federal District	6	6	8	7	4	5	3	8	5	6	5	6
Republic of Adygeya	18	24	50–51	64	22	21–22	23	75	1–25	76	1–54	29
Republic of Kalmykia	45	80	50–51	78	67–68	83	77	82	1–25	65	1–54	40–41
Krasnodar Territory	36	39	21	29	30	41–42	61	72	47–48	30	1–54	53–55
Astrakhan Region	53–54	36	62–63	63	56	15	42	30	1–25	23	78	59
Volgograd Region	76	76	80	72	65	61	49	63–64	73	51	62–63	36
Rostov Region	61	56	72–73	59	3	28	30–31	65	61	59	55–56	56

(continued)

	Enterprises — total		Business enterprises		Public authorities		Cultural institutions		Health care institutions		Higher education institutions	
	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website
North Caucasian Federal District	4	5	4	5	7	7	8	7	7	7	4	7
Republic of Dagestan	2–3	4	14	28	1	11	1–3	6	1–25	18	64	47
Republic of Ingushetia	9	37–38	37	77	20	66	–	–	–	–	1–54	1–7
Kabardino-Balkarian Republic	10	73	34	67	14–15	77	17	80–81	74–75	79	1–54	75–76
Karachaevo-Cherchessian Republic	69	60	83	71	48	58	21	25	69	72	74–75	66–69
Republic of North Ossetia – Alania	58–59	62–63	22	37	70	81–82	79	79	78	77	1–54	77
Chechen Republic	83	82	76–77	83	83	80	83	76	70	75	1–54	81
Stavropol Territory	2–3	6	3–4	19	4	18	14–15	19	1–25	14	1–54	30
Volga Federal District	3	4	5	3	2	3	4	3	1	2	8	4
Republic of Bashkortostan	6–7	13	6	3	8	29	28	26–27	1–25	28	1–54	22
Republic of Mari El	48	57–58	35–36	32–33	47	60	47	60	65	37–38	1–54	75–76
Republic of Mordovia	52	68	20	34–35	6–7	68	82	80–81	1–25	15–16	79–80	74
Republic of Tatarstan	8	19	9–10	4	9–10	39–40	9	12	28	31	68	35
Udmurtian Republic	37	18	48	12	17–18	17	59	45	30–31	12	1–54	64–65
Chuvash Republic	22–23	3	52–53	6	9–10	1	7–8	11	1–25	1	67	38
Perm Territory	31	42	28–29	18	32–34	54	38	51–52	32	46	1–54	12
Kirov Region	74	74	75	65	66	72	69	54	30–31	67	1–54	42–43
Nizhni Novgorod Region	16–17	25	19	15	36–37	44	29	16	1–25	21	1–54	25
Orenburg Region	13	29–31	13	17	43	52	7–8	14	1–25	3	1–54	15
Penza Region	55	21	64–65	41–42	2	3	62	41	1–25	2	1–54	23–24
Samara Region	66–67	54	76–77	53–54	28	55–56	30–31	34	68	57	57–58	52
Saratov Region	49	43	43	41–42	69	59	50	40	29	22	76	70
Ulyanovsk Region	46	20	38	7	74	35	70	66	35–36	53	70–71	48–51

(continued)

	Enterprises — total		Business enterprises		Public authorities		Cultural institutions		Health care institutions		Higher education institutions	
	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website
Urals Federal District	2	3	3	4	3	2	2	2	2	1	2	2
Kurgan Region	14	51	33	24	14–15	53	22	49–50	1–25	62	1–54	53–55
Sverdlovsk Region	15	15–16	17	5	53	39–40	19	13	55–56	19–20	57–58	33
Tyumen Region	27	27	45	46	25–26	23	14–15	10	26–27	19–20	55–56	16
Of which												
Khanty-Mansi Autonomous District – Yugra	16–17	22	31–32	43–44	38	9–10	11	5	1–25	13	1–54	11
Yamalo-Nenets Autonomous District	32	50	42	61–62	39–41	25	32	20	1–25	54	1–54	1–7
Chelyabinsk Region	50	29–31	67	22	59–60	43	67	58	26–27	32	1–54	48–51
Siberian Federal District	8	7	7	6	5	8	6	6	4	5	1	5
Republic of Altai	26	40–41	52–53	56	52	55–56	27	17	1–25	78	1–54	44–45
Republic of Buryatia	60	48	57–58	57	71	50	45	21	42	24	1–54	40–41
Republic of Tyva	81	83	68	82	73	81–82	81	78	66	66	1–54	79
Republic of Khakasia	20	23	15	23	11	26	55	32	49–50	49	1–54	1–7
Altai Territory	78	75	82	74	54–55	64	73	68	52–53	17	1–54	20
Zabaikalsk Territory	34	70	25–26	73	59–60	62	53	63–64	33–34	39	1–54	80
Krasnoyarsk Territory	62	57–58	25–26	47	64	57	75	62	55–56	56	1–54	34
Irkutsk Region	29	33–34	9–10	20	58	38	57	47	59–60	15–16	1–54	26–28
Kemerovo Region	21	29–31	40	38–40	12	31	6	3	59–60	55	1–54	60–62
Novosibirsk Region	64	69	71	55	13	78–79	52	43	71	73	59	37
Omsk Region	72	72	79	66	42	69	54	53	58	60	62–63	60–62
Tomsk Region	53–54	9	70	43–44	36–37	6	60	36	40–41	7	1–54	31–32

(continued)

	Enterprises — total		Business enterprises		Public authorities		Cultural institutions		Health care institutions		Higher education institutions	
	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website	Internet	Website
Far Eastern Federal District	7	8	6	8	6	6	5	4	8	8	6–7	8
Republic of Sakha (Yakutia)	79	81	74	76	62–63	71	72	70	81	74	66	71–73
Kamchatka Territory	19	28	31–32	49–50	39–41	33	26	18	77	70–71	1–54	23–24
Primorsky Territory	51	37–38	59	48	54–55	24	43	37	74–75	26	1–54	78
Khabarovsk Territory	11	10	5	21	39–41	14	36	31	51	37–38	1–54	1–7
Amur Region	77	79	72–73	75	78	73	71	69	82	80	81	66–69
Magadan Region	38	64	62–63	79	62–63	48	10	51–52	76	68	1–54	1–7
Sakhalin Region	28	53	39	68	50	45	20	9	1–25	35	1–54	48–51
Jewish Autonomous Region	71	59	78	81	16	20	65–66	61	1–25	70–71	1–54	66–69
Chukotka Autonomous District	44	77	12	80	79	78–79	1–3	71	–	–	–	–

5.3. Enterprises using ICT

(as a percentage of the total number of enterprises)

	Personal computers			Internet			Website		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	93.8	94.1	94.0	82.4	84.8	86.9	28.5	33.0	37.8
Central Federal District	94.1	94.3	94.2	80.3	82.8	85.9	32.3	36.1	41.3
Belgorod Region	97.2	97.3	97.5	85.8	87.6	87.9	26.3	31.9	33.4
Bryansk Region	88.8	88.5	89.2	69.4	71.8	74.7	18.0	21.6	24.7
Vladimir Region	97.2	95.3	95.1	87.9	88.3	90.0	32.7	40.0	42.7
Voronezh Region	98.0	94.1	95.2	80.1	78.2	82.1	25.6	30.8	38.3
Ivanovo Region	91.0	94.8	94.3	78.5	84.7	88.4	26.6	31.2	37.6
Kaluga Region	93.4	93.3	94.7	73.3	76.9	81.5	26.6	30.4	35.1
Kostroma Region	93.7	96.7	91.4	76.4	84.9	83.1	22.5	25.2	30.0
Kursk Region	89.4	89.5	89.8	56.1	64.4	71.9	15.6	21.4	30.8
Lipetsk Region	95.2	96.3	96.8	78.9	80.7	86.9	22.6	28.2	34.8
Moscow Region	95.8	95.7	96.7	86.4	86.2	91.1	35.9	37.6	44.3
Oryol Region	86.0	87.3	90.5	71.4	74.6	79.9	18.6	22.0	29.0
Ryazan Region	99.2	99.5	98.5	84.0	85.8	84.8	31.6	37.4	39.1
Smolensk Region	97.9	98.3	95.2	74.9	81.4	89.5	24.6	27.5	35.6
Tambov Region	77.1	82.8	84.6	65.4	75.1	78.9	21.3	27.0	34.6
Tver Region	100	97.6	90.2	82.5	82.6	77.9	25.8	28.9	30.4
Tula Region	87.4	88.1	89.7	71.9	76.8	81.7	23.0	30.1	34.8
Yaroslavl Region	94.9	94.2	94.1	85.8	87.0	89.7	33.5	37.6	44.0
Moscow	100	100	100	98.5	98.5	98.4	72.1	74.3	76.4

(continued)

	Personal computers			Internet			Website		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	94.8	95.2	95.9	85.7	88.6	91.0	33.3	38.8	43.8
Republic of Karelia	98.5	99.8	98.7	93.7	98.1	97.2	40.9	50.2	50.2
Republic of Komi	81.7	84.2	91.3	65.5	71.3	84.7	17.0	22.4	30.0
Arkhangelsk Region	96.9	97.1	97.2	87.4	90.1	91.4	22.7	28.9	36.4
Of which Nenets Autonomous District	96.5	97.7	99.5	82.2	89.4	90.9	20.8	30.1	45.5
Vologda Region	95.8	95.8	95.2	76.5	80.4	84.5	22.9	30.8	33.9
Kaliningrad Region	91.8	92.7	93.3	82.0	85.0	87.6	28.3	34.6	37.9
Leningrad Region	97.3	97.6	97.0	90.8	93.3	94.3	34.2	38.2	42.5
Murmansk Region	97.6	96.9	96.1	84.7	87.6	88.6	25.5	37.0	42.6
Novgorod Region	98.3	98.2	98.2	89.8	94.8	96.4	30.3	41.3	46.0
Pskov Region	92.4	93.4	93.4	83.5	87.5	88.6	21.9	26.6	30.0
Saint-Petersburg	98.6	98.6	98.1	96.0	96.2	96.9	63.2	62.2	67.4
Southern Federal District	91.3	92.2	90.8	80.2	83.0	84.1	24.6	28.8	32.7
Republic of Adygeya	99.6	100	98.3	88.0	92.1	92.2	31.7	35.6	40.9
Republic of Kalmykia	98.1	98.1	94.1	90.5	87.7	87.1	23.7	21.8	23.9
Krasnodar Territory	97.5	96.3	96.1	87.7	87.8	89.3	28.4	30.5	36.5
Astrakhan Region	86.8	98.9	90.4	76.8	86.1	85.2	27.5	35.2	37.5
Volgograd Region	87.5	88.5	84.8	73.8	77.9	77.0	20.2	24.4	26.7
Rostov Region	89.5	89.2	90.2	78.9	81.1	83.8	23.9	29.3	33.0

(continued)

	Personal computers			Internet			Website		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	93.7	95.6	96.3	85.5	89.0	87.8	29.1	31.6	36.4
Republic of Dagestan	98.4	98.9	98.9	94.7	94.5	97.3	33.1	44.1	52.3
Republic of Ingushetia	94.9	93.5	98.4	71.8	87.1	95.2	17.9	22.6	37.1
Kabardino-Balkarian Republic	100	99.1	99.1	91.6	92.0	94.9	27.1	26.5	27.7
Karachaevo-Cherchessian Republic	76.3	85.1	85.2	65.4	76.2	80.6	18.6	22.5	31.5
Republic of North Ossetia – Alania	87.4	88.4	90.3	80.3	81.2	84.5	29.0	28.0	30.4
Chechen Republic	100	100	100	69.7	78.7	64.7	17.5	11.1	18.9
Stavropol Territory	99.2	99.9	99.9	93.6	96.1	97.3	34.9	38.3	48.2
Volga Federal District	95.1	95.1	94.8	86.0	87.8	89.1	27.7	33.2	38.7
Republic of Bashkortostan	98.2	96.0	98.4	94.7	92.5	96.4	26.4	33.4	43.5
Republic of Mari El	93.0	94.5	95.0	76.8	82.5	86.5	22.6	26.9	32.3
Republic of Mordovia	88.3	88.0	90.6	80.7	81.5	85.3	20.2	26.4	29.6
Republic of Tatarstan	98.4	99.1	98.6	95.4	95.9	95.7	32.5	38.8	42.1
Udmurtian Republic	95.0	96.3	94.3	84.0	88.5	89.1	29.4	39.6	42.3
Chuvash Republic	94.2	94.0	95.2	87.8	90.1	91.4	43.4	48.2	54.2
Perm Territory	93.0	95.0	97.0	81.4	85.3	89.9	24.8	30.6	36.1
Kirov Region	89.7	88.9	88.1	73.9	75.7	78.2	18.0	21.9	27.1
Nizhni Novgorod Region	98.2	98.3	96.9	92.0	92.2	92.5	31.3	35.8	39.7
Orenburg Region	99.4	99.2	99.0	86.0	90.6	94.2	25.7	33.3	38.4
Penza Region	93.2	92.4	95.9	78.5	79.8	85.1	20.1	26.7	41.8
Samara Region	96.6	95.8	87.9	88.7	89.1	81.7	31.2	33.7	33.5
Saratov Region	94.4	94.8	95.9	80.8	84.4	86.2	24.4	29.3	35.9
Ulyanovsk Region	90.6	91.1	90.9	82.8	85.9	87.0	28.9	35.1	42.0

(continued)

	Personal computers			Internet			Website		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	95.6	95.3	95.3	87.1	88.9	90.5	30.4	34.6	39.4
Kurgan Region	99.7	100	97.8	89.5	92.0	93.4	24.1	26.8	34.1
Sverdlovsk Region	97.0	97.1	97.8	86.8	90.0	93.0	32.1	36.7	42.6
Tyumen Region	94.8	95.3	94.8	87.9	90.3	90.6	30.2	34.8	39.0
Of which									
Khanty-Mansi Autonomous District – Yugra	95.7	96.1	96.9	89.9	92.2	92.5	32.9	36.9	41.7
Yamalo-Nenets Autonomous District	97.7	98.1	93.9	92.9	92.8	89.8	27.7	29.9	34.3
Chelyabinsk Region	93.6	91.3	92.1	85.1	84.1	85.8	30.8	34.6	38.4
Siberian Federal District	92.4	93.4	92.9	77.6	81.2	84.0	24.0	28.9	32.5
Republic of Altai	96.7	95.2	96.0	83.6	86.3	90.7	23.9	27.0	36.4
Republic of Buryatia	97.5	97.1	93.0	80.8	81.8	84.2	28.4	31.2	34.7
Republic of Tyva	99.7	97.8	88.1	68.0	72.7	72.2	14.3	19.2	18.7
Republic of Khakasia	99.2	97.2	97.8	91.6	91.8	91.7	29.5	34.5	41.4
Altai Territory	88.8	88.4	88.3	70.2	72.3	76.0	18.6	22.1	26.9
Zabaikalsk Territory	99.7	100	100.0	76.8	82.7	89.6	17.8	22.0	29.3
Krasnoyarsk Territory	90.0	93.1	94.1	72.3	78.9	83.2	19.5	26.7	32.3
Irkutsk Region	97.4	97.8	97.3	81.1	86.0	90.3	25.1	29.6	37.9
Kemerovo Region	97.4	97.2	97.1	90.7	92.2	91.6	27.6	34.0	38.4
Novosibirsk Region	88.4	92.0	91.9	75.4	80.4	82.7	26.8	33.8	29.4
Omsk Region	87.1	86.3	86.9	72.1	74.8	79.0	23.6	24.4	28.0
Tomsk Region	99.4	98.5	90.1	96.7	96.4	85.2	41.8	47.6	45.4

(continued)

	Personal computers			Internet			Website		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	92.0	91.1	92.9	79.1	80.7	84.0	22.6	26.5	32.0
Republic of Sakha (Yakutia)	94.7	91.3	92.9	72.6	72.8	75.1	16.2	19.3	23.1
Kamchatka Territory	96.6	96.3	97.1	87.7	87.7	91.8	26.2	31.3	38.7
Primorsky Territory	87.5	89.4	90.8	80.3	83.3	85.7	27.0	31.7	37.1
Khabarovsk Territory	99.6	99.5	99.2	89.2	92.6	94.6	30.4	37.3	44.6
Amur Region	84.1	81.1	86.0	68.8	69.5	76.7	16.5	17.3	24.3
Magadan Region	95.8	93.0	95.6	85.9	85.2	88.8	21.5	26.6	30.1
Sakhalin Region	91.8	92.5	94.5	85.1	88.2	90.5	22.6	29.5	33.6
Jewish Autonomous Region	90.9	90.9	92.4	72.0	76.4	79.3	23.9	26.5	32.2
Chukotka Autonomous District	98.7	99.1	98.2	80.6	82.4	87.4	21.1	23.4	26.5

5.4. Enterprises using broadband Internet (as a percentage of the total number of enterprises)

	Total			Of which with maximal transmission speed					
				2 Mbps and more			10 Mbps and more	30 Mbps and more	More than 100 Mbps
	2010	2011	2012	2010	2011	2012	2012	2012	2012
Russian Federation	56.7	63.4	76.6	22.1	26.7	47.0	27.0	19.4	12.4
Central Federal District	58.8	64.9	77.2	25.6	30.0	50.7	31.9	23.1	14.9
Belgorod Region	58.7	61.8	73.4	17.8	22.1	43.2	22.0	15.3	8.5
Bryansk Region	44.3	51.5	63.3	13.3	17.4	35.1	19.7	13.3	7.9
Vladimir Region	65.9	72.8	85.1	25.5	31.4	55.8	27.5	19.5	12.8
Voronezh Region	53.3	56.8	70.7	22.1	25.3	46.4	29.0	21.1	14.0
Ivanovo Region	51.9	61.8	78.1	17.1	23.0	44.0	24.8	17.0	11.1
Kaluga Region	49.6	57.6	74.0	17.3	22.6	46.7	28.5	19.9	12.6
Kostroma Region	42.4	56.5	69.9	12.8	19.5	38.2	21.9	14.7	8.4
Kursk Region	34.7	45.7	60.1	10.4	15.7	31.3	17.3	12.1	8.3
Lipetsk Region	54.6	58.7	73.2	20.9	25.0	45.6	29.1	21.0	13.8
Moscow Region	68.4	72.9	85.8	31.6	34.6	59.4	39.5	28.2	19.6
Oryol Region	47.8	52.1	69.2	16.8	20.9	40.0	23.6	16.5	10.6
Ryazan Region	62.4	68.1	75.8	24.6	29.5	45.4	24.2	16.9	10.2
Smolensk Region	49.3	58.3	78.3	18.9	23.2	42.7	25.5	17.9	9.1
Tambov Region	37.3	49.3	63.3	11.9	17.0	36.5	23.0	16.4	9.9
Tver Region	56.9	60.4	68.6	22.0	25.6	40.8	24.3	17.9	11.1
Tula Region	51.8	60.8	73.5	14.8	19.8	40.0	23.6	16.5	10.4
Yaroslavl Region	61.8	69.3	82.9	21.4	30.8	51.4	27.3	18.9	12.6
Moscow	91.7	92.6	96.9	61.7	65.6	87.3	65.8	51.4	33.4

(continued)

	Total			Of which with maximal transmission speed					
				2 Mbps and more			10 Mbps and more	30 Mbps and more	More than 100 Mbps
	2010	2011	2012	2010	2011	2012	2012	2012	2012
Northwestern Federal District	61.7	69.0	81.6	26.0	32.5	53.4	30.4	22.1	14.9
Republic of Karelia	66.7	83.3	90.7	33.4	49.7	64.7	36.0	24.5	15.8
Republic of Komi	43.8	52.9	73.2	13.7	19.4	36.2	16.2	11.9	6.9
Arkhangelsk Region	48.2	58.1	73.8	14.2	19.4	39.5	17.4	12.7	8.4
Of which Nenets Autonomous District	31.7	47.2	67.3	9.4	13.0	35.0	14.1	10.5	7.7
Vologda Region	46.8	56.6	70.4	14.2	19.6	36.0	16.6	11.6	6.9
Kaliningrad Region	59.1	67.2	77.2	20.7	29.6	51.6	28.3	20.1	12.8
Leningrad Region	67.7	73.2	86.7	25.5	31.4	58.1	32.7	24.3	16.1
Murmansk Region	64.8	74.5	82.9	21.8	32.1	51.3	24.0	16.6	13.1
Novgorod Region	58.8	71.7	86.8	29.2	33.2	58.3	37.6	29.1	17.6
Pskov Region	58.3	66.8	79.9	17.6	24.2	49.4	26.5	18.9	12.2
Saint-Petersburg	84.9	84.3	92.5	50.9	55.6	76.8	53.1	39.3	27.9
Southern Federal District	54.8	63.1	74.8	19.7	23.7	42.4	23.1	17.1	12.0
Republic of Adygeya	63.8	73.8	85.7	9.9	20.3	41.1	18.0	13.2	8.7
Republic of Kalmykia	64.1	62.1	75.7	17.7	17.5	39.2	21.9	17.2	7.8
Krasnodar Territory	58.8	67.3	80.0	21.9	25.2	45.0	24.0	17.1	11.5
Astrakhan Region	57.9	68.7	78.2	20.3	30.2	51.3	29.2	21.7	15.6
Volgograd Region	49.8	58.1	66.8	19.4	23.5	38.4	21.5	16.3	11.9
Rostov Region	53.3	61.7	74.5	19.4	22.3	41.5	22.5	16.7	12.2

(continued)

	Total			Of which with maximal transmission speed					
				2 Mbps and more			10 Mbps and more	30 Mbps and more	More than 100 Mbps
	2010	2011	2012	2010	2011	2012	2012	2012	2012
North Caucasian Federal District	55.5	68.2	79.8	14.7	20.9	42.3	22.3	14.6	10.1
Republic of Dagestan	41.5	61.4	89.3	7.6	17.5	40.3	20.9	14.5	10.0
Republic of Ingushetia	46.2	45.2	85.5	12.8	12.9	33.9	12.9	4.8	4.8
Kabardino-Balkarian Republic	64.4	74.9	88.4	11.7	13.7	53.3	34.2	20.8	14.3
Karachaevo-Cherchessian Republic	42.2	59.5	74.7	12.3	18.0	38.0	17.8	11.5	8.8
Republic of North Ossetia – Alania	58.4	60.3	77.4	12.7	18.4	40.4	24.4	16.3	10.9
Chechen Republic	43.6	48.8	51.5	10.4	13.9	21.1	8.3	6.1	2.4
Stavropol Territory	62.4	77.0	89.6	20.2	27.8	51.1	25.8	17.1	12.4
Volga Federal District	56.3	62.9	78.2	21.5	25.9	47.2	26.8	19.0	11.5
Republic of Bashkortostan	65.7	68.3	86.1	20.8	25.8	49.5	29.8	21.6	13.1
Republic of Mari El	46.4	57.8	74.2	14.9	20.4	38.5	17.3	12.9	7.2
Republic of Mordovia	52.9	58.4	72.1	22.9	24.2	49.8	33.5	23.7	13.4
Republic of Tatarstan	63.8	69.5	85.4	23.0	27.0	53.9	33.3	23.9	14.3
Udmurtian Republic	63.0	69.7	78.7	30.6	37.8	52.3	24.1	17.7	11.5
Chuvash Republic	51.3	55.4	78.5	19.5	21.5	50.0	33.6	24.2	11.9
Perm Territory	58.3	67.5	80.2	22.3	28.4	52.0	28.8	20.8	13.1
Kirov Region	37.5	47.9	64.0	11.4	16.2	28.9	13.7	9.4	5.9
Nizhni Novgorod Region	57.4	62.4	80.2	27.0	31.9	51.5	29.5	21.0	13.4
Orenburg Region	56.7	66.6	82.6	19.5	23.3	46.7	25.7	17.6	10.2
Penza Region	47.8	54.7	74.9	15.5	20.3	40.6	23.2	16.4	7.8
Samara Region	60.3	64.5	73.0	27.0	29.5	45.3	24.5	17.8	11.9
Saratov Region	51.5	60.0	75.4	19.4	24.5	45.4	24.5	16.1	9.6
Ulyanovsk Region	54.4	63.1	78.0	17.2	20.7	45.0	24.7	17.4	10.4

(continued)

	Total			Of which with maximal transmission speed					
				2 Mbps and more			10 Mbps and more	30 Mbps and more	More than 100 Mbps
	2010	2011	2012	2010	2011	2012	2012	2012	2012
Urals Federal District	65.6	70.6	82.0	24.6	29.6	52.1	27.6	19.7	12.8
Kurgan Region	62.4	71.4	78.8	19.2	25.3	44.9	23.8	17.4	9.8
Sverdlovsk Region	67.3	73.8	85.9	27.5	35.1	59.2	31.7	22.6	13.8
Tyumen Region	64.5	69.9	81.4	23.6	27.6	50.2	26.2	18.6	12.8
Of which									
Khanty-Mansi Autonomous District – Yugra	67.9	73.1	84.7	25.5	30.9	54.2	26.4	18.4	13.4
Yamalo-Nenets Autonomous District	57.9	61.1	74.5	12.7	14.7	35.3	15.4	10.7	6.5
Chelyabinsk Region	66.8	67.8	79.4	24.6	28.1	49.4	26.4	18.9	12.6
Siberian Federal District	51.0	58.6	71.7	19.0	24.2	42.9	24.2	17.3	10.8
Republic of Altai	54.1	61.0	78.2	10.7	15.4	36.6	16.6	11.7	8.4
Republic of Buryatia	45.3	56.4	73.2	11.1	15.0	34.1	18.4	12.8	6.8
Republic of Tyva	26.3	34.3	46.7	4.7	5.9	14.7	7.5	5.7	2.8
Republic of Khakasia	69.4	73.5	83.7	22.8	31.3	54.9	27.3	20.2	13.6
Altai Territory	40.5	49.3	64.2	12.8	17.5	35.8	19.7	13.0	8.1
Zabaikalsk Territory	42.7	54.7	74.5	12.6	18.1	39.2	22.3	14.7	8.9
Krasnoyarsk Territory	48.7	57.8	71.7	17.2	21.7	39.4	20.3	14.7	9.6
Irkutsk Region	54.4	61.5	76.5	17.1	22.1	41.9	21.5	15.9	10.5
Kemerovo Region	68.9	75.4	84.0	30.1	39.0	59.2	34.9	24.1	13.5
Novosibirsk Region	50.6	57.2	69.3	22.4	28.6	47.1	28.9	21.2	13.9
Omsk Region	47.0	53.2	65.6	18.4	22.4	38.8	22.3	16.0	10.6
Tomsk Region	67.2	73.9	74.4	32.0	36.4	50.7	32.2	25.3	15.0

(continued)

	Total			Of which with maximal transmission speed					
				2 Mbps and more			10 Mbps and more	30 Mbps and more	More than 100 Mbps
	2010	2011	2012	2010	2011	2012	2012	2012	2012
Far Eastern Federal District	46.8	50.2	67.7	15.2	16.0	33.8	18.6	13.4	7.5
Republic of Sakha (Yakutia)	37.3	39.2	50.9	11.5	10.9	21.7	14.9	11.9	5.5
Kamchatka Territory	38.8	44.3	59.6	10.0	11.2	26.7	16.3	11.4	5.8
Primorsky Territory	52.1	56.6	75.2	20.4	22.6	42.9	23.7	18.1	11.7
Khabarovsk Territory	62.7	69.2	85.0	23.4	26.7	49.1	19.5	12.8	7.9
Amur Region	42.1	48.5	64.6	12.4	11.9	30.2	15.5	10.8	5.5
Magadan Region	46.9	43.5	61.9	13.9	11.5	26.5	15.3	10.1	5.1
Sakhalin Region	50.4	51.3	80.8	13.1	13.2	39.9	23.9	17.1	9.5
Jewish Autonomous Region	45.9	49.1	67.8	13.1	16.8	34.2	20.0	10.1	5.4
Chukotka Autonomous District	27.6	32.4	56.5	3.0	5.9	9.9	7.2	6.7	2.7

5.5. Enterprises using the Internet to interact with customers and suppliers

(as a percentage of the total number of enterprises)

	Placing orders for goods and services			Receiving orders for goods and services			Electronic payment transactions with customers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	35.0	39.2	41.1	16.9	17.1	18.0	16.4	16.8	18.5
Central Federal District	34.3	37.7	40.2	19.0	19.1	20.3	16.5	16.9	18.8
Belgorod Region	28.6	32.8	36.3	15.2	16.2	18.4	16.1	17.1	19.2
Bryansk Region	24.1	27.1	29.6	9.9	10.7	12.4	11.2	10.8	12.3
Vladimir Region	36.7	41.3	42.3	20.8	21.0	21.6	18.9	19.5	21.8
Voronezh Region	28.7	31.5	35.7	15.2	14.3	15.9	16.3	15.4	17.1
Ivanovo Region	29.3	36.3	39.6	11.1	12.7	15.1	11.5	12.5	14.7
Kaluga Region	32.4	37.9	39.8	15.1	17.4	17.6	11.2	12.2	14.9
Kostroma Region	23.1	31.8	32.5	11.3	14.1	13.8	9.2	10.8	11.5
Kursk Region	19.3	25.1	28.4	8.0	10.3	10.0	6.9	9.5	10.7
Lipetsk Region	33.2	36.7	40.6	13.1	14.9	15.2	14.1	14.2	16.5
Moscow Region	39.8	39.9	45.0	25.4	23.5	25.4	20.0	19.3	22.1
Oryol Region	27.7	29.0	32.6	13.5	11.9	13.5	13.5	12.1	14.9
Ryazan Region	34.1	39.1	38.0	16.6	18.3	18.6	15.5	16.0	16.3
Smolensk Region	29.8	34.0	37.9	14.4	14.2	16.9	10.4	12.3	15.4
Tambov Region	19.8	28.0	30.1	9.0	10.6	13.6	9.1	11.4	12.4
Tver Region	31.4	32.4	31.0	16.0	14.1	14.0	11.2	10.7	11.3
Tula Region	32.6	37.2	39.3	16.4	17.6	17.9	15.7	16.3	18.4
Yaroslavl Region	35.8	40.6	43.4	20.3	19.3	20.7	17.9	18.9	19.6
Moscow	58.3	59.6	60.5	39.8	38.6	40.1	32.5	33.1	34.8

(continued)

	Placing orders for goods and services			Receiving orders for goods and services			Electronic payment transactions with customers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	37.0	41.8	44.4	18.6	18.6	19.2	18.2	18.7	20.9
Republic of Karelia	42.1	52.7	51.3	19.5	19.8	21.6	18.1	20.0	20.5
Republic of Komi	27.9	32.1	38.8	11.2	13.8	16.2	13.9	16.4	19.7
Arkhangelsk Region	41.7	42.9	46.8	15.5	15.9	16.8	17.8	18.5	19.2
Of which Nenets Autonomous District	47.0	47.7	50.9	17.3	17.1	14.5	14.4	18.5	14.5
Vologda Region	35.0	40.1	40.5	14.9	14.1	14.0	12.0	11.7	12.0
Kaliningrad Region	16.1	26.2	30.3	8.1	6.7	5.9	16.4	17.5	20.2
Leningrad Region	38.6	42.9	45.3	20.2	20.6	21.7	19.7	19.8	22.1
Murmansk Region	37.8	39.7	41.4	14.3	13.8	9.4	14.5	13.7	16.1
Novgorod Region	33.2	42.2	42.5	16.7	18.3	18.5	14.4	17.1	18.9
Pskov Region	34.3	36.8	38.6	14.1	16.0	16.4	10.9	12.6	15.8
Saint-Petersburg	50.5	54.8	57.0	34.5	31.9	34.4	30.5	28.6	31.8
Southern Federal District	35.3	39.8	40.8	17.0	15.6	16.2	14.6	14.4	16.0
Republic of Adygeya	35.4	39.1	40.5	10.6	11.7	12.1	9.5	11.5	13.4
Republic of Kalmykia	39.8	38.7	42.3	10.3	8.7	9.8	13.6	11.7	13.8
Krasnodar Territory	40.8	41.8	44.2	20.0	19.8	20.3	17.8	18.5	20.4
Astrakhan Region	35.7	37.7	38.0	13.5	15.6	16.5	12.3	15.0	17.3
Volgograd Region	37.1	38.8	37.1	14.7	13.3	12.5	12.6	13.4	12.8
Rostov Region	29.7	39.7	41.3	18.4	15.3	16.5	14.8	12.6	14.7

(continued)

	Placing orders for goods and services			Receiving orders for goods and services			Electronic payment transactions with customers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	30.7	37.2	35.5	10.4	15.0	13.3	11.7	13.6	13.4
Republic of Dagestan	34.2	36.0	39.2	12.1	16.4	14.5	8.4	12.3	12.0
Republic of Ingushetia	12.8	25.8	37.1	7.7	9.7	4.8	5.1	6.5	8.1
Kabardino-Balkarian Republic	38.1	33.7	32.5	13.5	10.6	10.6	13.8	10.1	10.5
Karachaevo-Cherchessian Republic	23.4	28.3	30.7	7.2	9.6	11.5	6.7	9.9	12.0
Republic of North Ossetia – Alania	23.5	25.8	27.9	9.3	10.6	11.6	10.8	13.1	11.3
Chechen Republic	30.8	26.6	12.9	12.3	22.1	3.9	7.6	18.9	4.8
Stavropol Territory	33.4	48.7	51.1	10.5	19.4	20.2	15.1	16.5	20.3
Volga Federal District	36.4	40.0	42.4	16.5	16.0	17.0	15.7	16.3	18.1
Republic of Bashkortostan	44.6	46.1	50.3	18.0	19.8	22.1	22.5	22.4	26.3
Republic of Mari El	27.7	37.8	47.4	8.4	11.9	14.2	8.8	12.7	14.6
Republic of Mordovia	23.9	31.5	33.2	10.6	13.6	14.9	11.0	12.5	13.5
Republic of Tatarstan	40.7	42.4	44.6	22.5	23.2	24.0	17.2	18.5	20.2
Udmurtian Republic	39.2	44.3	43.8	18.8	18.8	18.9	20.2	20.0	21.5
Chuvash Republic	39.0	37.8	39.3	16.2	15.9	18.7	13.0	14.5	17.3
Perm Territory	37.8	42.5	46.5	16.9	17.6	19.1	17.4	18.1	19.6
Kirov Region	29.2	32.0	40.7	13.6	2.4	2.3	11.6	12.5	14.3
Nizhni Novgorod Region	40.4	43.9	44.5	18.9	20.2	21.3	18.2	19.4	20.7
Orenburg Region	36.9	40.7	43.0	15.7	15.6	15.6	14.7	15.1	16.6
Penza Region	25.5	28.6	33.5	10.1	11.1	13.5	8.7	10.0	12.2
Samara Region	31.9	35.9	33.4	17.8	19.0	18.4	15.6	15.1	16.3
Saratov Region	43.3	45.3	46.2	15.3	15.3	16.0	11.6	11.7	12.5
Ulyanovsk Region	23.1	35.8	39.4	10.6	0.9	1.0	12.9	15.2	15.4

(continued)

	Placing orders for goods and services			Receiving orders for goods and services			Electronic payment transactions with customers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	40.7	43.8	45.4	19.1	20.1	20.9	20.4	21.4	22.7
Kurgan Region	37.3	42.7	39.9	11.8	13.0	13.6	15.7	19.0	17.4
Sverdlovsk Region	43.2	46.7	48.8	20.5	22.4	22.9	24.1	25.2	26.3
Tyumen Region	39.8	43.1	44.5	18.8	19.8	20.9	17.9	18.8	20.8
Of which									
Khanty-Mansi Autonomous District – Yugra	43.0	46.0	46.4	20.7	20.5	21.5	18.8	20.5	21.4
Yamalo-Nenets Autonomous District	47.3	49.2	52.1	15.0	16.9	17.6	16.0	15.9	18.3
Chelyabinsk Region	40.3	42.0	44.9	20.6	20.4	21.2	21.6	22.2	23.5
Siberian Federal District	30.2	35.9	37.0	14.0	15.6	16.2	16.3	16.6	18.1
Republic of Altai	38.9	40.4	42.8	12.5	12.4	16.1	12.9	14.2	18.6
Republic of Buryatia	35.3	35.9	38.2	14.6	16.4	17.0	16.8	17.4	16.4
Republic of Tyva	24.2	27.1	26.2	9.5	9.7	8.0	8.1	9.2	7.7
Republic of Khakasia	39.9	42.0	45.2	16.2	15.2	19.1	17.3	15.0	21.0
Altai Territory	25.3	28.0	30.7	11.6	12.0	12.4	14.5	12.8	15.5
Zabaikalsk Territory	32.6	33.9	35.0	10.3	10.4	12.9	9.4	12.0	15.0
Krasnoyarsk Territory	29.5	37.0	38.5	12.8	13.9	15.0	11.0	11.6	13.6
Irkutsk Region	25.0	39.7	41.3	12.0	19.0	18.9	18.0	17.5	17.6
Kemerovo Region	39.1	42.0	43.7	20.0	19.5	20.2	25.0	24.0	25.9
Novosibirsk Region	24.2	32.6	31.2	13.8	17.8	16.6	19.1	21.1	20.1
Omsk Region	28.2	32.8	34.6	14.3	14.2	15.4	14.9	15.2	17.7
Tomsk Region	51.3	56.2	49.4	20.3	22.7	21.4	23.8	25.0	22.5

(continued)

	Placing orders for goods and services			Receiving orders for goods and services			Electronic payment transactions with customers		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	33.6	38.7	42.5	13.5	14.1	15.7	14.3	14.0	16.3
Republic of Sakha (Yakutia)	35.7	35.8	39.3	12.9	12.5	14.2	10.9	10.4	12.2
Kamchatka Territory	38.1	43.2	48.3	14.4	14.3	14.8	15.1	13.1	15.0
Primorsky Territory	23.0	37.6	39.4	11.2	16.7	18.1	15.4	15.7	20.3
Khabarovsk Territory	43.4	49.6	56.3	20.2	20.0	19.9	23.4	24.1	22.4
Amur Region	29.9	31.2	36.8	10.4	10.2	11.9	11.2	11.9	15.7
Magadan Region	38.0	44.6	45.0	10.8	12.5	13.8	8.1	10.4	9.9
Sakhalin Region	39.3	37.2	43.7	18.1	13.0	16.8	19.0	14.7	17.3
Jewish Autonomous Region	32.6	37.5	36.2	9.5	10.6	11.9	7.5	8.7	11.9
Chukotka Autonomous District	38.8	45.0	46.6	11.2	12.6	18.8	8.6	9.5	11.7

5.6. Enterprises using the Internet to interact with public authorities (as a percentage of the total number of enterprises)

	Getting information about public authorities' activity			Obtaining blank forms			Submitting filled forms		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Russian Federation	51.5	55.5	58.0	65.0	67.9	69.8	63.0	65.5	68.5
Central Federal District	48.7	53.2	56.3	62.3	65.4	67.5	60.5	63.6	67.1
Belgorod Region	48.3	56.7	56.2	67.4	72.2	72.4	65.8	70.4	71.3
Bryansk Region	37.5	42.1	44.4	53.1	57.1	53.0	53.0	55.2	57.5
Vladimir Region	55.8	59.5	61.6	69.1	69.3	72.2	69.6	68.3	71.4
Voronezh Region	46.2	48.9	51.8	59.8	59.0	63.2	58.6	57.6	62.6
Ivanovo Region	45.9	52.1	57.0	55.5	64.8	67.4	56.1	63.7	69.4
Kaluga Region	41.1	45.7	52.0	54.8	58.1	58.1	52.0	54.7	61.4
Kostroma Region	42.7	51.4	51.6	56.4	66.4	67.2	55.2	65.5	66.4
Kursk Region	27.2	34.2	41.0	38.8	48.1	56.2	39.5	46.6	56.6
Lipetsk Region	43.6	48.6	56.9	61.9	65.7	70.7	58.9	62.9	71.5
Moscow Region	51.6	54.9	59.0	66.3	67.0	71.8	63.3	65.6	71.2
Oryol Region	36.4	41.9	45.4	52.7	55.9	56.1	52.1	54.0	59.1
Ryazan Region	50.4	54.3	53.8	67.9	68.5	66.0	67.5	67.9	64.6
Smolensk Region	39.0	47.7	55.7	54.5	61.0	65.0	52.8	59.1	65.1
Tambov Region	40.6	49.5	54.8	49.6	58.9	63.6	46.2	54.7	59.9
Tver Region	47.4	49.2	46.1	57.4	58.7	55.5	54.3	55.7	52.5
Tula Region	40.8	48.1	51.5	54.5	59.9	65.3	52.2	58.6	62.5
Yaroslavl Region	58.1	61.6	63.1	68.2	72.5	73.3	65.7	69.6	71.8
Moscow	75.1	75.2	76.6	87.1	86.0	85.0	85.1	84.8	84.0

(continued)

	Getting information about public authorities' activity			Obtaining blank forms			Submitting filled forms		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Northwestern Federal District	55.5	59.7	62.5	68.5	70.7	74.0	65.6	68.6	72.6
Republic of Karelia	63.1	71.3	72.2	79.0	81.6	81.8	78.4	82.2	81.2
Republic of Komi	43.6	50.1	57.1	60.5	64.0	74.1	59.2	63.4	70.0
Arkhangelsk Region	58.2	61.8	65.1	68.2	71.6	75.1	66.9	70.2	74.8
Of which Nenets Autonomous District	59.4	62.5	70.5	61.4	67.6	77.3	63.9	66.7	71.4
Vologda Region	44.4	50.6	52.3	56.8	61.7	63.6	53.4	58.0	61.0
Kaliningrad Region	55.1	55.5	57.6	61.9	63.8	69.1	58.8	60.9	67.4
Leningrad Region	55.0	58.7	61.1	72.7	72.1	76.2	70.5	70.3	73.5
Murmansk Region	58.5	62.0	64.7	68.5	70.4	69.3	62.9	65.7	69.3
Novgorod Region	55.7	63.1	66.8	69.7	77.2	80.4	63.9	72.4	77.5
Pskov Region	43.7	50.4	53.4	58.2	65.3	65.2	56.5	64.9	67.3
Saint-Petersburg	70.0	71.3	72.7	82.8	80.0	82.6	79.5	78.6	81.9
Southern Federal District	47.8	51.5	52.4	60.5	64.8	65.8	59.5	62.4	64.7
Republic of Adygeya	53.8	49.4	52.2	60.7	57.9	61.3	54.5	55.4	60.0
Republic of Kalmykia	44.9	47.9	51.0	59.8	63.3	66.7	64.3	65.1	70.7
Krasnodar Territory	53.4	54.6	55.6	67.3	69.7	69.3	65.8	66.1	66.5
Astrakhan Region	46.3	63.9	56.4	57.2	70.4	70.3	55.9	67.1	69.6
Volgograd Region	43.7	48.3	49.2	58.3	62.9	62.0	58.0	61.7	61.5
Rostov Region	47.1	49.3	51.4	58.3	62.0	64.8	57.2	59.4	64.0

(continued)

	Getting information about public authorities' activity			Obtaining blank forms			Submitting filled forms		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
North Caucasian Federal District	44.6	49.9	46.8	59.6	61.7	56.8	57.0	56.9	54.6
Republic of Dagestan	38.0	48.7	46.5	49.9	56.4	48.8	43.1	50.0	51.4
Republic of Ingushetia	28.2	29.0	37.1	35.9	41.9	53.2	30.8	41.9	50.0
Kabardino-Balkarian Republic	45.2	50.3	48.6	67.9	57.1	57.2	61.6	49.6	52.3
Karachaevo-Cherchessian Republic	31.7	43.6	42.8	43.8	54.8	56.1	42.9	50.7	53.4
Republic of North Ossetia – Alania	39.1	39.9	44.7	54.0	58.0	57.7	50.6	52.7	54.7
Chechen Republic	30.3	27.0	12.2	38.9	29.1	17.5	33.6	24.2	15.1
Stavropol Territory	56.0	60.2	64.7	71.2	73.8	76.6	71.2	70.3	75.0
Volga Federal District	53.9	58.0	60.4	68.6	71.6	73.1	66.6	69.4	72.0
Republic of Bashkortostan	59.1	61.9	67.0	80.7	82.4	84.3	78.6	79.3	85.3
Republic of Mari El	45.4	51.0	56.2	58.5	64.6	66.9	61.0	64.7	67.7
Republic of Mordovia	46.2	51.0	54.4	61.8	68.7	72.0	62.7	68.6	72.1
Republic of Tatarstan	61.6	65.8	65.3	81.8	84.0	83.2	81.3	82.8	83.3
Udmurtian Republic	56.5	62.5	64.6	68.9	74.8	73.8	65.4	70.2	72.9
Chuvash Republic	63.6	66.0	68.8	67.7	69.3	73.4	66.0	67.8	69.3
Perm Territory	53.2	58.6	62.7	66.6	69.6	75.0	65.5	69.1	74.3
Kirov Region	43.9	47.7	51.6	57.4	60.6	62.2	56.1	58.5	61.2
Nizhni Novgorod Region	55.8	58.9	61.4	73.6	76.5	78.4	72.0	73.8	75.9
Orenburg Region	55.1	60.1	66.2	70.5	76.9	82.5	65.8	74.8	82.0
Penza Region	43.5	48.6	54.4	57.0	59.4	63.1	54.3	57.2	62.8
Samara Region	56.9	60.5	54.8	71.0	71.1	65.3	68.3	69.2	64.3
Saratov Region	44.0	49.0	52.3	54.2	57.1	59.4	50.0	52.2	55.1
Ulyanovsk Region	51.7	57.0	59.3	62.8	67.7	70.8	58.6	64.7	66.7

(continued)

	Getting information about public authorities' activity			Obtaining blank forms			Submitting filled forms		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Urals Federal District	59.0	61.7	64.4	72.5	73.7	75.9	70.2	71.1	74.5
Kurgan Region	58.6	61.1	68.9	71.8	77.3	82.3	68.4	71.9	82.1
Sverdlovsk Region	59.6	64.1	67.2	72.7	74.6	79.3	70.0	73.6	78.0
Tyumen Region	62.1	64.4	65.2	74.3	74.7	75.0	71.6	71.5	73.1
Of which									
Khanty-Mansi Autonomous District – Yugra	64.7	65.9	67.7	76.0	74.5	76.3	73.3	72.1	74.5
Yamalo-Nenets Autonomous District	67.0	69.6	65.8	77.4	79.1	73.1	72.0	74.2	69.2
Chelyabinsk Region	53.1	54.3	57.6	69.4	69.7	70.7	68.5	67.1	69.3
Siberian Federal District	49.5	53.5	56.1	62.4	66.2	68.1	60.6	63.2	66.2
Republic of Altai	52.5	55.7	65.3	64.8	70.0	73.3	62.8	65.6	71.8
Republic of Buryatia	53.6	52.2	55.2	65.0	64.6	64.5	63.6	58.2	59.8
Republic of Tyva	41.1	41.3	40.9	50.8	54.2	47.8	50.1	53.9	47.4
Republic of Khakasia	56.8	61.9	63.6	70.8	73.9	76.2	72.3	71.2	74.4
Altai Territory	44.4	46.1	50.5	57.5	58.1	63.3	56.9	56.4	61.3
Zabaikalsk Territory	47.1	50.4	58.8	57.5	65.8	68.9	55.8	63.1	69.8
Krasnoyarsk Territory	47.1	53.9	58.7	59.3	65.2	70.0	56.5	62.0	67.9
Irkutsk Region	51.6	56.9	61.4	65.7	71.4	73.4	63.6	68.2	72.3
Kemerovo Region	57.3	61.5	62.0	74.0	74.9	73.3	73.1	73.7	73.3
Novosibirsk Region	47.7	52.1	51.3	59.4	64.4	64.9	56.6	60.5	61.0
Omsk Region	43.5	46.8	49.8	57.6	61.4	65.3	55.5	58.1	63.6
Tomsk Region	72.0	77.4	66.3	85.0	84.7	74.8	83.6	82.6	73.1

(continued)

	Getting information about public authorities' activity			Obtaining blank forms			Submitting filled forms		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
Far Eastern Federal District	49.9	53.3	57.6	62.1	64.3	68.3	58.8	61.0	65.6
Republic of Sakha (Yakutia)	44.5	45.0	49.3	55.5	57.5	60.0	51.6	52.6	55.0
Kamchatka Territory	60.9	64.3	67.7	75.6	77.7	79.0	70.3	72.1	75.8
Primorsky Territory	53.2	58.3	58.5	65.3	67.4	71.2	63.0	65.8	69.8
Khabarovsk Territory	59.1	63.4	69.7	75.8	77.7	81.6	72.3	74.2	78.9
Amur Region	40.2	42.4	53.8	49.4	52.1	58.7	46.8	50.1	57.5
Magadan Region	52.1	59.6	59.8	61.8	73.2	73.9	58.7	69.8	69.6
Sakhalin Region	51.9	53.4	58.3	65.6	62.0	71.7	61.8	59.8	71.3
Jewish Autonomous Region	42.4	50.7	50.7	49.8	56.1	57.0	45.9	49.7	50.5
Chukotka Autonomous District	48.3	62.2	65.5	66.8	73.0	76.2	65.9	72.5	72.6

5.7. ICT usage in business enterprise sector: 2012
(as a percentage of the total number of business enterprises)

	Personal computers	Internet	Of which broadband	Special software for		Website	Electronic document management systems
				industrial process control equipment	organisational, economic and management solutions		
Russian Federation	92.2	87.0	80.1	24.1	62.2	40.2	55.2
Central Federal District	94.5	89.9	84.2	26.0	63.9	46.1	56.1
Belgorod Region	97.4	92.9	83.8	26.3	61.4	38.1	60.1
Bryansk Region	92.1	84.7	74.8	19.1	63.5	32.4	59.0
Vladimir Region	95.9	92.4	88.0	23.1	62.3	40.1	54.2
Voronezh Region	95.9	87.8	81.3	23.5	64.3	37.3	53.7
Ivanovo Region	91.7	85.7	78.0	18.3	56.3	38.4	58.3
Kaluga Region	94.8	91.1	84.0	24.8	59.4	44.4	60.8
Kostroma Region	90.7	82.8	74.5	22.4	60.4	31.5	55.9
Kursk Region	93.4	83.9	76.1	18.2	57.9	35.6	52.8
Lipetsk Region	96.2	91.6	85.5	27.2	67.4	42.9	58.4
Moscow Region	96.2	92.3	87.9	29.4	61.9	45.6	52.2
Oryol Region	92.1	85.8	79.3	21.3	60.4	36.7	57.2
Ryazan Region	98.1	96.3	89.4	31.4	66.2	45.3	65.0
Smolensk Region	94.5	87.1	78.8	20.3	60.4	34.7	57.2
Tambov Region	74.8	68.5	59.3	16.4	47.9	27.8	48.1
Tver Region	90.8	86.2	77.6	21.7	57.4	35.4	48.4
Tula Region	89.5	84.0	77.1	24.4	62.5	39.0	54.4
Yaroslavl Region	94.0	90.0	84.0	27.7	64.8	44.0	56.2
Moscow	100	98.4	97.0	33.5	76.9	75.4	62.3

(continued)

	Personal computers	Internet	Of which broadband	Special software for		Website	Electronic document management systems
				industrial process control equipment	organisational, economic and management solutions		
Northwestern Federal District	94.5	90.6	84.2	25.7	68.9	45.3	57.2
Republic of Karelia	98.3	97.2	90.9	25.9	72.2	45.7	63.6
Republic of Komi	86.6	81.2	72.8	23.5	56.0	27.6	60.5
Arkhangelsk Region	97.1	91.2	79.3	24.4	61.6	40.0	61.4
Of which Nenets Autonomous District	98.6	95.8	81.9	30.6	68.1	38.9	61.1
Vologda Region	94.0	86.5	78.1	26.0	62.1	37.8	51.9
Kaliningrad Region	90.4	84.3	76.7	20.3	88.6	34.4	52.1
Leningrad Region	96.2	93.5	88.0	29.3	64.5	39.7	55.3
Murmansk Region	94.1	88.5	82.6	20.7	73.9	37.3	59.5
Novgorod Region	96.6	94.7	88.9	23.7	68.2	45.5	58.9
Pskov Region	88.6	82.6	75.9	16.8	56.3	31.3	54.1
Saint-Petersburg	98.4	97.6	93.8	31.8	74.1	68.1	58.0
Southern Federal District	86.7	81.1	74.5	20.6	56.6	32.6	49.8
Republic of Adygeya	95.9	86.1	79.9	20.1	51.5	30.9	47.9
Republic of Kalmykia	92.2	86.1	77.2	18.3	49.4	23.9	56.1
Krasnodar Territory	96.3	92.6	85.7	24.9	63.0	39.3	57.0
Astrakhan Region	88.5	83.1	75.7	15.3	55.0	31.1	51.8
Volgograd Region	78.3	70.7	64.4	15.6	52.4	27.0	45.2
Rostov Region	83.7	78.1	71.7	21.9	55.6	32.2	46.4

(continued)

	Personal computers	Internet	Of which broadband	Special software for		Website	Electronic document management systems
				industrial process control equipment	organisational, economic and management solutions		
North Caucasian Federal District	94.2	87.9	81.8	20.9	53.9	34.8	54.5
Republic of Dagestan	97.1	94.1	86.5	14.7	41.8	39.4	42.4
Republic of Ingushetia	94.7	89.5	84.2	10.5	31.6	26.3	47.4
Kabardino-Balkarian Republic	98.2	90.2	84.4	25.5	58.2	29.5	45.1
Karachaevo-Cherchessian Republic	71.5	65.5	62.2	18.0	41.1	27.3	45.0
Republic of North Ossetia – Alania	97.4	92.6	86.5	18.3	64.2	37.6	51.1
Chechen Republic	100	75.0	60.9	8.3	22.4	18.8	53.1
Stavropol Territory	99.7	97.2	92.3	26.0	66.2	42.5	66.4
Volga Federal District	92.9	87.7	81.1	24.2	61.8	41.6	56.3
Republic of Bashkortostan	98.5	96.5	89.8	28.2	72.7	50.8	64.5
Republic of Mari El	94.7	90.0	84.0	22.1	69.7	38.4	57.1
Republic of Mordovia	97.8	92.7	83.6	30.3	68.9	38.1	60.4
Republic of Tatarstan	97.9	95.0	87.6	26.9	61.4	47.1	59.7
Udmurtian Republic	91.1	86.3	79.3	26.7	63.4	45.0	57.0
Chuvash Republic	90.6	85.9	79.5	22.3	57.9	46.6	55.1
Perm Territory	97.1	91.2	85.4	27.3	65.8	42.6	59.7
Kirov Region	82.5	76.1	67.5	19.7	55.9	30.4	50.7
Nizhni Novgorod Region	95.9	92.8	84.1	26.6	62.5	43.9	59.4
Orenburg Region	98.8	94.2	89.0	28.0	69.3	42.8	64.5
Penza Region	93.6	82.8	77.8	19.6	58.6	37.1	57.8
Samara Region	83.3	75.0	69.9	17.9	52.0	34.4	44.0
Saratov Region	94.0	88.2	81.2	22.4	59.2	37.1	53.7
Ulyanovsk Region	92.7	89.2	83.4	24.9	65.3	45.9	58.0

(continued)

	Personal computers	Internet	Of which broadband	Special software for		Website	Electronic document management systems
				industrial process control equipment	organisational, economic and management solutions		
Urals Federal District	92.9	88.1	81.9	28.7	64.2	40.4	57.6
Kurgan Region	94.6	90.8	85.2	24.2	58.6	40.5	76.7
Sverdlovsk Region	97.0	93.0	86.8	29.4	68.6	46.7	60.2
Tyumen Region	92.3	87.5	80.8	29.8	63.5	36.3	55.3
Of which	92.3	87.5	80.8	29.8	63.5	36.3	55.3
Khanty-Mansi Autonomous District – Yugra	95.9	90.9	85.1	32.7	66.5	36.8	57.7
Yamalo-Nenets Autonomous District	90.9	88.3	75.8	31.9	66.5	31.3	58.1
Chelyabinsk Region	88.7	82.5	77.2	26.8	61.4	41.0	54.7
Siberian Federal District	89.6	82.8	74.9	20.9	60.8	34.0	52.7
Republic of Altai	91.6	85.9	78.5	12.0	85.9	33.5	54.5
Republic of Buryatia	89.3	84.3	76.2	20.5	58.9	33.2	52.8
Republic of Tyva	92.5	82.3	66.7	15.6	52.4	21.1	54.4
Republic of Khakasia	97.9	93.9	88.1	25.0	64.6	40.9	61.0
Altai Territory	79.3	67.7	60.2	17.1	50.0	26.8	41.5
Zabaikalsk Territory	100.0	91.8	81.1	19.9	65.3	26.9	61.8
Krasnoyarsk Territory	95.5	91.8	83.5	24.0	62.5	36.1	59.7
Irkutsk Region	97.9	95.0	86.4	25.9	67.9	41.7	63.9
Kemerovo Region	96.0	88.7	83.3	29.3	67.3	37.3	57.4
Novosibirsk Region	88.4	80.5	71.7	16.4	62.7	33.9	48.1
Omsk Region	79.5	71.4	63.2	15.1	50.8	30.1	45.6
Tomsk Region	84.6	81.0	73.8	25.2	60.1	36.8	52.6

(continued)

	Personal computers	Internet	Of which broadband	Special software for		Website	Electronic document management systems
				industrial process control equipment	organisational, economic and management solutions		
Far Eastern Federal District	89.7	84.3	71.1	20.8	56.2	31.2	55.3
Republic of Sakha (Yakutia)	85.3	77.9	56.0	18.9	52.6	26.5	50.4
Kamchatka Territory	95.5	90.9	65.5	25.0	65.5	35.6	63.3
Primorsky Territory	88.0	84.1	75.3	19.0	54.1	36.0	52.8
Khabarovsk Territory	99.0	97.1	89.6	29.2	72.3	41.5	65.5
Amur Region	85.6	78.1	67.9	19.6	52.0	26.7	52.5
Magadan Region	92.0	83.1	60.7	22.5	52.1	21.9	55.9
Sakhalin Region	91.5	89.0	79.7	19.5	56.6	29.4	59.8
Jewish Autonomous Region	85.6	71.5	61.2	16.3	44.5	21.3	46.4
Chukotka Autonomous District	98.9	94.3	62.5	21.6	58.0	21.6	59.1

5.8. ICT usage by public authorities: 2012
(as a percentage of the total number of public authorities)

	Personal computers	Internet	Of which broadband	Website	Websites having			Electronic document management systems
					contact information for departments	electronic blank forms of documents needed to get a state service	the archive of citizens' or enterprises' applications	
Russian Federation	97.7	92.3	77.3	37.6	16.9	2.2	1.8	71.7
Central Federal District	97.2	88.2	74.7	37.9	16.6	2.1	1.9	69.0
Belgorod Region	99.2	93.9	72.8	35.3	16.4	0.8	0.9	74.5
Bryansk Region	95.0	83.3	67.8	23.7	8.4	0.6	0.4	73.8
Vladimir Region	94.5	90.3	85.1	49.4	20.9	2.0	2.5	68.7
Voronezh Region	99.7	83.3	63.9	41.4	17.4	0.8	0.9	70.0
Ivanovo Region	97.8	96.1	82.7	42.5	18.3	3.9	2.8	82.4
Kaluga Region	93.7	71.0	63.2	23.5	8.7	1.9	1.4	54.1
Kostroma Region	96.4	91.2	72.2	30.9	13.7	2.9	2.7	67.4
Kursk Region	98.2	85.0	67.8	37.5	11.5	1.0	0.5	71.0
Lipetsk Region	99.4	97.2	76.2	37.5	17.2	2.2	1.3	76.2
Moscow Region	98.1	95.6	87.6	49.7	27.2	2.9	2.4	65.1
Oryol Region	94.6	83.1	67.7	24.2	8.5	0.9	0.9	64.3
Ryazan Region	99.9	75.9	65.0	30.0	11.0	2.2	1.2	58.4
Smolensk Region	99.2	96.5	82.3	36.2	18.5	2.1	2.2	83.9
Tambov Region	98.4	96.7	69.4	46.4	17.1	1.3	1.7	78.9
Tver Region	97.3	80.1	68.6	27.4	13.7	1.5	1.1	55.9
Tula Region	91.7	87.1	77.0	34.3	14.7	2.1	2.4	67.0
Yaroslavl Region	93.8	93.0	85.6	46.9	23.2	3.3	3.0	73.6
Moscow	100	98.9	96.8	69.0	30.7	6.5	6.9	71.8

(continued)

	Personal computers	Internet	Of which broadband	Website	Websites having			Electronic document management systems
					contact information for departments	electronic blank forms of documents needed to get a state service	the archive of citizens' or enterprises' applications	
Northwestern Federal District	98.5	95.9	83.1	45.2	20.2	3.6	2.6	75.0
Republic of Karelia	99.0	99.0	94.1	64.2	21.6	4.9	3.4	67.2
Republic of Komi	99.4	95.8	78.1	35.2	14.6	1.3	1.1	80.4
Arkhangelsk Region	99.1	97.5	75.7	34.8	13.8	3.0	1.7	80.3
Of which Nenets Autonomous District	100	95.9	70.4	54.1	31.6	3.1	3.1	80.6
Vologda Region	98.9	94.0	76.0	39.8	21.4	4.3	2.6	73.2
Kaliningrad Region	97.1	93.3	80.4	45.1	19.6	4.0	2.7	76.0
Leningrad Region	97.4	96.6	87.6	55.9	36.5	4.0	1.2	72.9
Murmansk Region	98.5	93.9	87.8	52.6	23.4	2.7	1.7	76.6
Novgorod Region	99.5	97.8	85.4	48.3	26.7	4.3	3.2	80.9
Pskov Region	99.0	96.3	86.0	29.4	10.4	2.3	1.8	72.6
Saint-Petersburg	97.3	95.8	90.3	62.4	21.2	5.3	5.5	67.2
Southern Federal District	95.7	93.4	81.8	37.2	17.5	1.9	1.7	74.0
Republic of Adygeya	99.6	97.0	90.1	46.4	19.3	4.7	2.6	62.2
Republic of Kalmykia	94.1	87.1	74.1	16.6	7.6	0.0	0.2	69.5
Krasnodar Territory	98.4	96.0	83.7	36.2	18.0	1.5	1.6	70.0
Astrakhan Region	92.6	91.4	85.7	48.8	26.2	4.2	4.0	71.1
Volgograd Region	90.8	87.8	74.1	31.6	11.2	1.4	1.4	73.8
Rostov Region	99.6	99.2	87.5	44.0	23.2	1.9	1.6	82.3

(continued)

	Personal computers	Internet	Of which broadband	Website	Websites having			Electronic document management systems
					contact information for departments	electronic blank forms of documents needed to get a state service	the archive of citizens' or enterprises' applications	
North Caucasian Federal District	98.3	90.0	79.7	33.4	15.3	1.8	1.2	64.4
Republic of Dagestan	100	99.5	91.3	52.0	14.8	2.0	1.5	47.4
Republic of Ingushetia	100	97.3	89.2	29.7	8.1	0.0	0.0	51.4
Kabardino-Balkarian Republic	99.7	98.0	90.1	23.3	8.4	0.9	1.2	55.2
Karachaevo-Cherchessian Republic	97.0	93.5	84.0	32.5	14.2	1.2	0.3	73.1
Republic of North Ossetia – Alania	91.5	86.0	76.6	20.5	10.8	0.9	0.6	55.6
Chechen Republic	100	66.0	51.9	20.6	4.6	1.3	1.3	52.5
Stavropol Territory	99.9	99.1	88.6	47.5	28.1	3.1	1.8	81.1
Volga Federal District	98.0	94.8	78.9	38.9	17.2	2.0	1.7	74.2
Republic of Bashkortostan	99.2	98.6	84.5	43.1	16.0	1.6	1.3	75.7
Republic of Mari El	98.3	93.8	75.2	32.3	13.1	1.3	1.0	71.0
Republic of Mordovia	100	98.9	79.7	28.7	12.0	0.6	0.6	72.7
Republic of Tatarstan	99.4	98.5	83.9	36.7	14.9	3.5	2.8	85.0
Udmurtian Republic	99.3	97.8	82.5	47.9	22.7	3.5	3.6	75.4
Chuvash Republic	99.3	98.5	79.7	70.2	33.4	1.8	1.6	71.9
Perm Territory	98.2	95.8	82.5	33.6	20.7	4.3	3.3	81.7
Kirov Region	94.6	87.6	67.6	25.8	11.2	0.7	0.6	73.1
Nizhni Novgorod Region	98.5	95.4	78.0	35.7	11.4	1.4	1.1	67.2
Orenburg Region	99.3	94.3	76.8	34.2	16.4	1.9	1.6	78.6
Penza Region	100	99.3	84.6	67.7	32.8	1.9	1.8	80.1
Samara Region	97.8	96.2	80.7	32.7	14.2	1.6	1.2	74.8
Saratov Region	99.1	86.3	71.7	32.4	16.5	1.3	1.4	56.1
Ulyanovsk Region	88.6	84.3	71.9	38.2	17.6	2.2	2.3	68.1

(continued)

	Personal computers	Internet	Of which broadband	Website	Websites having			Electronic document management systems
					contact information for departments	electronic blank forms of documents needed to get a state service	the archive of citizens' or enterprises' applications	
Urals Federal District	98.2	94.3	82.9	39.0	18.1	2.0	1.8	73.2
Kurgan Region	99.8	98.0	80.3	34.1	15.9	0.7	0.4	91.5
Sverdlovsk Region	98.7	92.3	84.2	36.7	15.9	1.6	1.1	67.2
Tyumen Region	98.7	96.5	83.7	45.9	21.0	3.6	3.5	72.4
Of which								
Khanty-Mansi Autonomous District – Yugra	98.3	95.1	86.7	52.6	24.1	4.2	4.2	71.5
Yamalo-Nenets Autonomous District	97.8	94.9	78.7	45.5	29.5	3.7	3.7	67.7
Chelyabinsk Region	95.3	90.7	81.5	36.0	18.8	1.4	1.3	68.9
Siberian Federal District	98.8	92.3	73.4	33.0	15.3	2.0	1.5	71.3
Republic of Altai	98.3	92.8	75.9	32.7	15.2	2.9	3.2	71.3
Republic of Buryatia	98.1	85.9	71.0	34.7	14.7	2.8	2.2	65.4
Republic of Tyva	98.4	84.7	49.8	20.5	7.9	0.7	0.5	58.8
Republic of Khakasia	99.5	98.4	88.2	45.4	21.5	3.0	3.0	77.7
Altai Territory	99.8	91.6	73.9	30.4	11.6	1.1	1.0	71.4
Zabaikalsk Territory	100	90.7	71.7	31.2	13.3	1.1	0.9	68.2
Krasnoyarsk Territory	98.1	88.1	70.9	32.6	16.3	2.4	1.5	64.3
Irkutsk Region	98.6	91.1	70.4	36.8	21.0	2.6	1.3	65.0
Kemerovo Region	99.3	98.3	85.8	42.3	22.8	2.8	2.0	80.9
Novosibirsk Region	99.0	98.2	73.7	20.9	9.3	1.5	1.1	80.2
Omsk Region	99.0	94.5	73.7	27.5	9.8	1.2	1.4	77.7
Tomsk Region	95.8	95.4	77.9	61.6	33.1	5.0	3.3	76.1

(continued)

	Personal computers	Internet	Of which broadband	Website	Websites having			Electronic document management systems
					contact information for departments	electronic blank forms of documents needed to get a state service	the archive of citizens' or enterprises' applications	
Far Eastern Federal District	96.1	90.1	68.7	35.0	15.5	2.2	2.1	68.2
Republic of Sakha (Yakutia)	98.4	89.6	59.3	26.6	10.7	1.3	1.4	63.6
Kamchatka Territory	97.3	94.9	56.5	40.8	21.1	6.5	6.5	75.2
Primorsky Territory	95.7	91.6	76.9	45.7	16.6	1.2	1.3	70.7
Khabarovsk Territory	99.8	94.9	81.1	48.9	22.4	3.0	2.3	76.1
Amur Region	87.2	82.0	67.3	24.7	12.1	2.4	1.9	61.3
Magadan Region	97.8	89.6	57.5	35.1	18.3	2.6	3.0	74.6
Sakhalin Region	98.5	93.2	81.8	35.6	12.3	1.5	1.5	65.9
Jewish Autonomous Region	99.5	97.9	84.2	46.8	30.5	4.2	4.2	74.7
Chukotka Autonomous District	97.4	80.9	47.8	20.9	13.0	0.0	0.0	70.4

5.9. ICT usage by cultural institutions: 2012

	As a percentage of all respective institutions						Electronic publications as a percentage of total library stock	Museum pieces registered in the electronic catalogue as a percentage of total museum holdings	Museum pieces registered in the electronic catalogue and having digital images as a percentage of total museum holdings
	Cultural institutions using				Libraries providing				
	personal computers	Internet	of which broadband	website	access via the Internet to full-text electronic library sources	personal computers with Internet access for library users			
Russian Federation	86.7	64.3	51.4	17.9	3.9	35.7	13.6	31.2	6.6
Central Federal District	80.4	55.2	45.5	16.3	4.5	33.4	14.5	35.4	5.3
Belgorod Region	91.5	53.5	40.5	18.0	2.6	54.9	17.2	30.3	13.9
Bryansk Region	64.8	32.8	25.9	5.4	1.1	14.0	5.3	1.0	0.4
Vladimir Region	90.7	72.9	67.9	23.6	27.1	54.2	15.0	63.0	11.6
Voronezh Region	80.4	56.3	48.2	16.1	0.1	10.9	2.3	14.1	2.5
Ivanovo Region	93.2	73.3	60.9	16.8	2.8	21.3	10.5	12.8	5.4
Kaluga Region	80.5	62.7	57.6	14.4	1.9	14.6	6.0	21.5	8.8
Kostroma Region	76.5	56.8	43.2	13.6	0.2	56.7	3.6	30.9	5.8
Kursk Region	66.9	29.4	20.9	8.3	–	18.9	1.1	13.7	0.3
Lipetsk Region	91.7	56.1	39.8	10.4	0.8	30.8	9.0	5.7	0.7
Moscow Region	98.2	76.8	69.5	20.4	6.6	74.0	12.0	8.7	1.2
Oryol Region	57.3	44.2	34.7	8.0	0.9	11.0	4.9	26.8	2.9
Ryazan Region	90.2	78.7	65.6	39.3	0.9	24.0	13.8	15.5	1.4
Smolensk Region	82.8	73.3	57.8	26.7	0.3	30.4	8.4	28.6	1.2
Tambov Region	89.0	74.6	55.9	26.3	0.4	18.8	6.1	0.4	0.2
Tver Region	61.9	41.4	37.1	14.3	1.3	17.6	12.7	25.2	5.5
Tula Region	86.9	64.8	55.2	21.4	9.5	19.1	9.3	32.7	17.6
Yaroslavl Region	95.9	77.4	67.1	24.7	10.7	22.4	8.4	70.7	18.9
Moscow	100	98.4	96.9	85.9	25.1	82.7	25.7	43.9	5.0

(continued)

	As a percentage of all respective institutions						Electronic publications as a percentage of total library stock	Museum pieces registered in the electronic catalogue as a percentage of total museum holdings	Museum pieces registered in the electronic catalogue and having digital images as a percentage of total museum holdings
	Cultural institutions using				Libraries providing				
	personal computers	Internet	of which broadband	website	access via the Internet to full-text electronic library sources	personal computers with Internet access for library users			
Northwestern Federal District	94.7	80.9	64.7	26.6	8.9	55.3	17.9	33.0	9.5
Republic of Karelia	96.6	84.5	75.9	46.6	2.2	29.9	53.7	28.2	7.3
Republic of Komi	86.2	67.6	57.2	20.0	18.3	41.3	9.0	13.3	3.4
Arkhangelsk Region	91.2	71.2	47.6	18.2	5.4	50.3	14.2	31.6	7.7
Of which Nenets Autonomous District	100	68.8	43.8	15.6	4.3	52.2	10.6	1.9	1.9
Vologda Region	92.5	69.5	44.7	14.2	0.8	86.4	20.9	25.4	6.5
Kaliningrad Region	99.0	84.2	54.5	26.7	14.7	67.9	16.4	53.7	21.1
Leningrad Region	98.3	91.6	79.3	22.3	3.5	66.5	18.8	66.6	12.8
Murmansk Region	99.1	90.6	82.1	38.7	16.2	89.8	30.6	22.1	7.7
Novgorod Region	100	97.8	82.6	32.6	3.1	31.3	17.5	75.7	0.6
Pskov Region	98.6	94.2	88.4	24.6	0.3	15.2	17.0	18.3	1.2
Saint-Petersburg	97.5	93.8	88.8	68.8	42.0	73.3	14.7	32.1	11.1
Southern Federal District	92.8	69.9	52.8	11.1	1.6	41.4	9.4	27.4	8.8
Republic of Adygeya	100	84.6	53.8	7.7	–	7.3	4.6	61.6	2.0
Republic of Kalmykia	61.4	36.8	29.8	3.5	–	3.4	2.6	2.6	2.6
Krasnodar Territory	92.7	59.2	43.3	8.4	1.1	34.4	18.7	15.1	0.8
Astrakhan Region	88.4	71.6	65.3	23.2	0.4	25.0	4.7	16.7	16.6
Volgograd Region	92.0	68.5	49.1	11.6	3.5	47.5	10.1	16.9	1.3
Rostov Region	96.5	79.4	60.8	11.4	1.9	59.0	3.8	38.5	18.8

(continued)

	As a percentage of all respective institutions						Electronic publications as a percentage of total library stock	Museum pieces registered in the electronic catalogue as a percentage of total museum holdings	Museum pieces registered in the electronic catalogue and having digital images as a percentage of total museum holdings
	Cultural institutions using				Libraries providing				
	personal computers	Internet	of which broadband	website	access via the Internet to full-text electronic library sources	personal computers with Internet access for library users			
North Caucasian Federal District	84.8	53.1	47.5	13.5	3.0	21.3	6.4	22.8	3.8
Republic of Dagestan	100	100	100	40.0	2.7	4.8	0.9	7.4	2.0
Republic of Ingushetia	...	...	...	...	2.0	68.0	19.6	1.8	1.5
Kabardino-Balkarian Republic	100	90.9	86.4	4.5	1.8	44.0	2.2	2.9	2.8
Karachaevo-Cherchessian Republic	93.8	87.5	81.3	25.0	—	37.1	0.5	—	—
Republic of North Ossetia – Alania	42.3	29.5	26.9	5.1	0.7	9.7	3.8	—	—
Chechen Republic	100	18.9	16.8	6.3	—	1.1	0.8	—	—
Stavropol Territory	100	92.6	79.0	27.2	9.1	65.1	14.9	41.2	6.1
Volga Federal District	87.1	68.6	56.1	20.2	1.0	30.1	10.9	21.1	4.6
Republic of Bashkortostan	90.1	79.8	72.6	24.7	0.1	24.2	2.3	23.4	0.3
Republic of Mari El	86.7	69.2	57.5	13.3	0.3	35.0	4.7	—	—
Republic of Mordovia	35.8	26.1	21.6	4.5	0.4	7.9	4.5	13.0	3.9
Republic of Tatarstan	100	95.1	82.7	33.3	0.1	62.7	7.2	37.5	5.2
Udmurtian Republic	85.8	60.6	51.6	17.4	1.1	31.5	27.8	6.7	2.2
Chuvash Republic	100	96.2	73.7	35.1	6.7	88.0	17.3	39.1	14.0
Perm Territory	96.1	73.6	59.1	15.4	1.4	38.3	33.2	22.8	6.4
Kirov Region	84.9	52.2	38.8	14.7	1.4	16.9	6.2	4.0	2.1
Nizhni Novgorod Region	94.7	79.6	65.8	32.4	4.5	29.5	10.9	17.6	1.6
Orenburg Region	98.1	96.2	86.5	32.7	0.4	12.4	8.2	7.3	1.6
Penza Region	92.8	57.3	47.4	18.7	0.5	37.3	11.9	14.8	1.4
Samara Region	85.9	79.4	66.5	21.8	1.3	45.2	13.2	28.6	13.9
Saratov Region	87.1	68.2	51.5	18.9	0.5	9.3	21.6	25.6	6.2
Ulyanovsk Region	63.7	49.2	40.2	11.2	0.3	14.4	3.5	10.3	4.0

(continued)

	As a percentage of all respective institutions						Electronic publications as a percentage of total library stock	Museum pieces registered in the electronic catalogue as a percentage of total museum holdings	Museum pieces registered in the electronic catalogue and having digital images as a percentage of total museum holdings
	Cultural institutions using				Libraries providing				
	personal computers	Internet	of which broadband	website	access via the Internet to full-text electronic library sources	personal computers with Internet access for library users			
North Caucasian Federal District	84.8	53.1	47.5	13.5	3.0	21.3	6.4	22.8	3.8
Kurgan Region	99.3	86.4	57.8	15.6	0.7	71.4	4.7	5.1	3.8
Sverdlovsk Region	99.1	90.2	80.0	33.0	9.2	35.8	10.6	30.7	2.5
Tyumen Region	97.9	92.6	79.4	36.6	0.4	35.3	57.1	85.8	14.4
Of which									
Khanty-Mansi Autonomous District – Yugra	97.3	94.6	74.8	45.0	31.9	87.0	36.4	64.4	17.2
Yamalo-Nenets Autonomous District	95.8	79.2	60.4	27.1	18.8	32.5	94.5	84.3	28.9
Chelyabinsk Region	78.7	54.2	49.4	14.1	4.9	30.7	14.8	32.8	9.3
Siberian Federal District	83.4	56.2	43.0	15.8	5.4	38.5	12.5	21.8	4.3
Republic of Altai	95.0	80.0	75.0	30.0	1.2	12.9	7.4	0.5	0.5
Republic of Buryatia	79.4	69.8	63.5	27.0	9.4	40.4	16.4	11.0	3.7
Republic of Tyva	49.6	27.5	13.0	5.3	–	15.9	1.7	2.1	2.1
Republic of Khakasia	89.7	65.5	62.1	22.4	3.7	44.7	8.7	7.1	2.7
Altai Territory	66.3	45.5	39.0	9.8	0.7	14.2	9.1	17.4	4.9
Zabaikalsk Territory	100	67.4	58.9	11.6	1.4	18.8	2.6	19.2	1.1
Krasnoyarsk Territory	78.3	43.0	33.8	12.1	7.6	27.5	13.5	34.7	5.4
Irkutsk Region	87.1	64.6	52.8	16.3	11.6	42.7	10.0	12.3	3.0
Kemerovo Region	100	96.8	81.1	48.4	8.0	40.0	13.1	12.2	6.3
Novosibirsk Region	97.0	67.5	44.9	18.1	9.1	50.1	22.1	25.4	3.0
Omsk Region	88.2	66.2	46.4	14.8	0.6	95.5	9.4	34.4	9.2
Tomsk Region	94.7	60.2	42.5	21.2	14.1	23.5	30.5	27.4	0.4

(continued)

	As a percentage of all respective institutions						Electronic publications as a percentage of total library stock	Museum pieces registered in the electronic catalogue as a percentage of total museum holdings	Museum pieces registered in the electronic catalogue and having digital images as a percentage of total museum holdings
	Cultural institutions using				Libraries providing				
	personal computers	Internet	of which broadband	website	access via the Internet to full-text electronic library sources	personal computers with Internet access for library users			
Far Eastern Federal District	92.3	63.7	47.2	16.9	3.1	32.6	14.2	26.2	6.6
Republic of Sakha (Yakutia)	96.9	47.4	27.2	9.2	4.1	27.8	10.1	10.8	3.5
Kamchatka Territory	96.5	82.5	45.6	29.8	0.9	34.6	11.8	17.9	1.9
Primorsky Territory	86.4	71.4	55.2	20.8	6.0	17.1	15.4	35.7	16.6
Khabarovsk Territory	97.5	75.0	68.8	22.5	2.3	22.9	14.0	24.1	3.3
Amur Region	82.1	48.1	39.7	9.6	0.9	43.1	6.1	0.4	0.1
Magadan Region	100	94.9	71.8	15.4	–	75.0	25.8	91.2	4.7
Sakhalin Region	95.6	88.2	76.5	38.2	1.8	81.2	30.5	27.4	8.1
Jewish Autonomous Region	97.6	56.1	43.9	12.2	–	20.4	6.0	2.1	1.8
Chukotka Autonomous District	100	100	54.5	9.1	–	8.9	14.1	50.0	15.4

5.10. ICT usage by health care institutions: 2012
(as a percentage of the total number of health care institutions)

	Personal computers	Internet	Of which broadband	Website
Russian Federation	97.9	95.4	87.5	59.3
Central Federal District	99.5	97.7	89.4	62.0
Belgorod Region	97.8	97.8	95.7	84.8
Bryansk Region	97.4	94.7	85.5	47.4
Vladimir Region	100	97.7	93.1	52.9
Voronezh Region	100	100	94.5	76.9
Ivanovo Region	97.1	95.7	82.6	68.1
Kaluga Region	100	100	93.8	58.3
Kostroma Region	100	98.0	73.5	59.2
Kursk Region	100	98.4	90.3	79.0
Lipetsk Region	100	98.3	93.3	58.3
Moscow Region	99.6	96.9	91.2	58.3
Oryol Region	100	100	76.3	55.3
Ryazan Region	100	100	90.6	67.2
Smolensk Region	100	100	93.5	59.7
Tambov Region	100	98.4	88.7	83.9
Tver Region	99.0	96.0	85.9	45.5
Tula Region	100	95.7	89.2	45.2
Yaroslavl Region	100	98.7	88.2	63.2
Moscow	100	98.4	93.8	81.3

(continued)

	Personal computers	Internet	Of which broadband	Website
Northwestern Federal District	99.7	96.1	87.9	60.1
Republic of Karelia	100	100	96.2	80.8
Republic of Komi	98.6	97.1	89.9	53.6
Arkhangelsk Region	100	92.4	72.2	55.7
Of which Nenets Autonomous District	100	83.3	5.6	5.6
Vologda Region	100	98.5	94.0	83.6
Kaliningrad Region	100	98.1	87.0	68.5
Leningrad Region	100	98.1	92.3	61.5
Murmansk Region	100	81.3	81.3	45.8
Novgorod Region	100	100	89.8	34.7
Pskov Region	100	98.0	89.8	59.2
Saint-Petersburg	99.2	97.5	91.6	61.3
Southern Federal District	99.2	96.3	88.3	55.5
Republic of Adygeya	100	100	94.4	27.8
Republic of Kalmykia	100	100	88.0	44.0
Krasnodar Territory	99.1	97.8	87.5	65.5
Astrakhan Region	100	100	97.4	69.2
Volgograd Region	100	91.8	85.0	53.1
Rostov Region	98.4	96.3	89.5	46.6

(continued)

	Personal computers	Internet	Of which broadband	Website
North Caucasian Federal District	98.9	95.5	88.9	52.0
Republic of Dagestan	100	100	88.5	73.1
Republic of Ingushetia	...	...	...	...
Kabardino-Balkarian Republic	98.3	89.7	87.9	17.2
Karachaevo-Cherchessian Republic	93.1	93.1	86.2	31.0
Republic of North Ossetia – Alania	97.3	83.8	75.7	24.3
Chechen Republic	100	92.9	85.7	28.6
Stavropol Territory	100	100	94.5	74.7
Volga Federal District	99.4	98.8	92.2	66.5
Republic of Bashkortostan	100	100	93.9	67.6
Republic of Mari El	100	95.1	80.5	61.0
Republic of Mordovia	100	100	96.3	74.1
Republic of Tatarstan	100	99.3	92.9	65.2
Udmurtian Republic	100	98.9	94.4	75.6
Chuvash Republic	100	100	89.4	92.4
Perm Territory	100	98.8	92.5	57.5
Kirov Region	100	98.9	94.4	37.8
Nizhni Novgorod Region	100	100	94.3	72.3
Orenburg Region	100	100	95.9	85.7
Penza Region	100	100	93.2	86.4
Samara Region	94.3	93.5	88.6	48.8
Saratov Region	100	99.1	89.7	71.6
Ulyanovsk Region	98.5	98.5	87.7	52.3

(continued)

	Personal computers	Internet	Of which broadband	Website
Urals Federal District	100	98.7	92.4	67.4
Kurgan Region	100	100	92.6	45.6
Sverdlovsk Region	100	97.0	92.0	73.0
Tyumen Region	100	99.4	93.3	73.0
Of which	100			
Khanty-Mansi Autonomous District – Yugra	100	100	94.2	75.4
Yamalo-Nenets Autonomous District	100	100	88.0	52.0
Chelyabinsk Region	100	99.4	91.8	63.3
Siberian Federal District	99.3	96.7	89.2	56.4
Republic of Altai	100	100.0	100.0	23.8
Republic of Buryatia	100	98.2	92.7	69.1
Republic of Tyva	100	94.9	74.4	41.0
Republic of Khakasia	100	97.7	90.9	54.5
Altai Territory	100	97.5	94.9	73.2
Zabaikalsk Territory	100	98.7	80.3	60.5
Krasnoyarsk Territory	100	97.0	91.0	51.5
Irkutsk Region	100	96.4	85.7	74.1
Kemerovo Region	99.3	96.4	87.6	51.8
Novosibirsk Region	95.1	92.7	87.0	29.3
Omsk Region	100	96.8	91.6	46.3
Tomsk Region	98.3	98.3	93.2	81.4

(continued)

	Personal computers	Internet	Of which broadband	Website
Far Eastern Federal District	82.3	75.0	61.8	40.4
Republic of Sakha (Yakutia)	96.3	73.1	47.2	28.7
Kamchatka Territory	100	85.7	61.9	33.3
Primorsky Territory	98.1	89.7	82.2	68.2
Khabarovsk Territory	100	97.6	87.8	61.0
Amur Region	41.0	40.4	36.6	16.8
Magadan Region	89.3	89.3	57.1	35.7
Sakhalin Region	100	100	88.6	61.4
Jewish Autonomous Region	100	100	80.0	33.3
Chukotka Autonomous District	...	...	...	...

5.11. Personal computers used for educational purposes per 100 students (computers per 100 students)

	Basic general education*		Lower vocational education		Secondary vocational education		Higher education	
	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access
Russian Federation	11	7	10	5	15	11	22	18
Central Federal District	12	8	11	5	17	12	22	19
Belgorod Region	10	7	3	–	20	16	22	21
Bryansk Region	8	4	10	4	13	10	21	16
Vladimir Region	11	6	10	7	16	10	25	23
Voronezh Region	10	6	8	3	13	8	18	15
Ivanovo Region	11	7	17	8	17	12	24	18
Kaluga Region	17	8	9	2	15	9	24	22
Kostroma Region	8	5	7	3	18	11	18	17
Kursk Region	7	3	16	7	19	14	18	14
Lipetsk Region	7	5	9	6	18	10	16	15
Moscow Region	8	4	12	5	17	10	26	23
Oryol Region	6	4	11	4	7	4	14	10
Ryazan Region	11	5	4	2	17	12	23	18
Smolensk Region	7	3	6	3	18	13	19	11
Tambov Region	9	5	4	2	16	11	24	20
Tver Region	11	7	16	11	19	11	17	15
Tula Region	9	4	8	3	21	12	23	18
Yaroslavl Region	14	8	10	5	18	13	21	20
Moscow	19	15	–	–	19	16	23	20

* State and municipal educational institutions (without part-time (shift) educational institutions).

(continued)

	Basic general education*		Lower vocational education		Secondary vocational education		Higher education	
	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access
Northwestern Federal District	10	7	12	8	16	12	23	20
Republic of Karelia	12	8	13	7	20	16	29	26
Republic of Komi	8	4	8	4	8	6	20	19
Arkhangelsk Region	10	6	9	5	22	13	26	24
Of which Nenets Autonomous District	13	6	11	5	16	5	–	54
Vologda Region	6	4	11	3	20	13	21	21
Kaliningrad Region	14	10	17	0	16	11	16	15
Leningrad Region	11	7	14	7	21	14	17	16
Murmansk Region	11	9	9	2	15	12	22	20
Novgorod Region	9	6	8	3	17	10	26	26
Pskov Region	9	5	12	9	12	10	14	13
Saint-Petersburg	10	9	14	11	18	14	24	21
Southern Federal District	11	5	8	3	14	10	20	16
Republic of Adygeya	9	4	11	3	6	4	12	11
Republic of Kalmykia	12	4	13	7	19	13	18	15
Krasnodar Territory	12	5	7	2	13	8	17	12
Astrakhan Region	7	4	8	2	16	13	22	17
Volgograd Region	12	7	7	3	14	9	19	14
Rostov Region	11	5	9	3	16	11	23	22

(continued)

	Basic general education*		Lower vocational education		Secondary vocational education		Higher education	
	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access
North Caucasian Federal District	6	3	7	2	11	7	16	13
Republic of Dagestan	7	3	8	3	8	6	18	15
Republic of Ingushetia	3	1	–	–	5	2	11	7
Kabardino-Balkarian Republic	6	4	3	0	8	3	25	23
Karachaevo-Cherchessian Republic	3	2	5	1	12	3	13	9
Republic of North Ossetia – Alania	8	6	11	4	12	5	14	11
Chechen Republic	4	2	7	2	15	3	12	6
Stavropol Territory	7	4	7	3	13	9	15	14
Volga Federal District	12	7	8	4	14	10	20	17
Republic of Bashkortostan	13	10	8	4	12	10	21	16
Republic of Mari El	7	5	5	2	16	9	19	13
Republic of Mordovia	10	6	9	3	18	11	17	15
Republic of Tatarstan	23	13	5	2	15	10	19	18
Udmurtian Republic	7	5	11	7	16	12	20	17
Chuvash Republic	10	6	12	5	17	13	16	10
Perm Territory	8	5	7	5	16	12	26	20
Kirov Region	9	6	7	1	17	12	24	18
Nizhni Novgorod Region	14	9	8	4	15	10	18	16
Orenburg Region	9	6	8	5	12	7	21	16
Penza Region	17	7	12	3	14	9	17	13
Samara Region	10	6	6	4	13	7	21	19
Saratov Region	8	5	7	2	11	8	22	17
Ulyanovsk Region	10	5	8	1	12	7	14	13

(continued)

	Basic general education*		Lower vocational education		Secondary vocational education		Higher education	
	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access
Urals Federal District	12	7	11	6	16	12	25	21
Kurgan Region	8	4	9	5	17	10	34	17
Sverdlovsk Region	14	8	9	5	18	13	27	25
Tyumen Region	13	9	17	9	13	10	22	20
Of which								
Khanty-Mansi Autonomous District – Yugra	12	8	16	7	19	14	21	20
Yamalo-Nenets Autonomous District	23	16	20	12	18	13	41	30
Chelyabinsk Region	9	6	10	4	16	13	23	19
Siberian Federal District	9	5	11	6	15	11	23	21
Republic of Altai	7	5	7	3	10	8	18	12
Republic of Buryatia	7	5	8	3	15	13	16	11
Republic of Tyva	4	4	7	5	14	9	27	25
Republic of Khakasia	13	9	10	5	11	8	30	30
Altai Territory	9	7	12	8	14	12	20	17
Zabaikalsk Territory	7	4	7	3	13	9	21	17
Krasnoyarsk Territory	10	7	13	8	17	12	29	26
Irkutsk Region	10	5	9	5	15	14	18	16
Kemerovo Region	7	4	10	6	15	10	19	17
Novosibirsk Region	9	6	13	4	16	11	24	23
Omsk Region	8	4	10	4	12	10	20	18
Tomsk Region	8	6	10	5	20	17	37	34

(continued)

	Basic general education*		Lower vocational education		Secondary vocational education		Higher education	
	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access	Total	Of which with Internet access
Far Eastern Federal District	9	5	11	4	17	12	22	19
Republic of Sakha (Yakutia)	8	7	13	3	20	13	20	18
Kamchatka Territory	12	8	14	8	19	13	24	23
Primorsky Territory	9	4	8	4	21	16	24	18
Khabarovsk Territory	9	6	9	3	12	7	23	21
Amur Region	9	5	7	2	18	11	22	18
Magadan Region	12	6	18	7	43	11	14	13
Sakhalin Region	10	7	13	7	19	13	13	13
Jewish Autonomous Region	10	5	13	4	25	2	30	20
Chukotka Autonomous District	16	12	29	18	36	36	84	46

5.12. ICT usage by higher education institutions: 2012

(as a percentage of the total number of institutions*)

	Internet	Of which broadband	Of which with data transmission speed of 2 Mbps and more	Website
Russian Federation	98.1	94.2	76.0	83.2
Central Federal District	97.6	94.6	80.5	87.0
Belgorod Region	100	100	75.0	100
Bryansk Region	100	96.2	73.1	73.1
Vladimir Region	87.5	87.5	79.2	79.2
Voronezh Region	100	93.8	90.6	93.8
Ivanovo Region	100	100	91.3	95.7
Kaluga Region	95.2	90.5	69.0	76.2
Kostroma Region	100	90.0	70.0	80.0
Kursk Region	92.9	89.3	64.3	71.4
Lipetsk Region	100	100	81.3	93.8
Moscow Region	98.1	95.2	77.1	81.9
Oryol Region	100	100	93.8	87.5
Ryazan Region	100	96.2	84.6	96.2
Smolensk Region	100	90.9	75.8	90.9
Tambov Region	90.0	90.0	75.0	75.0
Tver Region	93.5	90.3	67.7	80.6
Tula Region	93.3	86.7	63.3	70.0
Yaroslavl Region	96.9	93.8	81.3	90.6
Moscow	100	98.8	92.1	98.2

* The data is provided according to the type of economic activity 'Higher education' (RCEA, Rev. 1.1, Code 80.30).

(continued)

	Internet	Of which broadband	Of which with data transmission speed of 2 Mbps and more	Website
Northwestern Federal District	98.8	96.8	82.9	85.3
Republic of Karelia	100	100	100.0	87.5
Republic of Komi	100	100	75.0	85.0
Arkhangelsk Region	94.4	94.4	77.8	72.2
Of which Nenets Autonomous District	–	–	–	–
Vologda Region	100	94.1	76.5	100
Kaliningrad Region	100	96.0	80.0	76.0
Leningrad Region	100	90.0	80.0	70.0
Murmansk Region	100	100	56.0	92.0
Novgorod Region	100	100	92.3	76.9
Pskov Region	100	94.4	94.4	77.8
Saint-Petersburg	98.0	96.9	89.8	89.8
Southern Federal District	98.0	89.9	66.9	78.2
Republic of Adygeya	100	100	71.4	85.7
Republic of Kalmykia	100	72.7	18.2	81.8
Krasnodar Territory	100	95.4	64.6	76.9
Astrakhan Region	89.7	86.2	65.5	75.9
Volgograd Region	97.7	90.7	76.7	83.7
Rostov Region	98.9	88.2	69.9	76.3

(continued)

	Internet	Of which broadband	Of which with data transmission speed of 2 Mbps and more	Website
North Caucasian Federal District	98.1	94.3	67.0	76.4
Republic of Dagestan	97.0	87.9	63.6	78.8
Republic of Ingushetia	100	100	—	100
Kabardino-Balkarian Republic	100	100	77.8	66.7
Karachaevo-Cherchessian Republic	92.9	92.9	64.3	71.4
Republic of North Ossetia – Alania	100	100	54.5	63.6
Chechen Republic	100	100	50.0	50.0
Stavropol Territory	100	97.1	76.5	85.3
Volga Federal District	97.5	94.2	76.7	83.1
Republic of Bashkortostan	100	97.9	78.7	89.4
Republic of Mari El	100	88.9	66.7	66.7
Republic of Mordovia	87.5	81.3	68.8	68.8
Republic of Tatarstan	95.6	93.3	66.7	84.4
Udmurtian Republic	100	94.4	72.2	72.2
Chuvash Republic	96.6	89.7	75.9	82.8
Perm Territory	100	98.0	92.2	94.1
Kirov Region	100	93.5	74.2	80.6
Nizhni Novgorod Region	100	98.0	80.0	88.0
Orenburg Region	100	100	83.3	93.3
Penza Region	100	100	88.9	88.9
Samara Region	98.5	93.9	77.3	77.3
Saratov Region	90.2	85.4	68.3	70.7
Ulyanovsk Region	94.4	94.4	83.3	77.8

(continued)

	Internet	Of which broadband	Of which with data transmission speed of 2 Mbps and more	Website
Urals Federal District	99.1	96.2	76.6	85.5
Kurgan Region	100	92.3	84.6	76.9
Sverdlovsk Region	98.5	97.0	81.8	84.8
Tyumen Region	98.9	94.6	69.9	92.5
Of which				
Khanty-Mansi Autonomous District – Yugra	100	100	86.0	95.3
Yamalo-Nenets Autonomous District	100	82.4	29.4	100
Chelyabinsk Region	100	98.4	79.4	77.8
Siberian Federal District	99.4	94.8	77.5	81.2
Republic of Altai	100	100	80.0	80.0
Republic of Buryatia	100	100	63.6	81.8
Republic of Tyva	100	100	40.0	60.0
Republic of Khakasia	100	100	87.5	100
Altai Territory	100	96.8	87.1	90.3
Zabaikalsk Territory	100	100	85.7	57.1
Krasnoyarsk Territory	100	91.5	71.2	84.7
Irkutsk Region	100	95.8	79.2	87.5
Kemerovo Region	100	93.2	75.0	75.0
Novosibirsk Region	98.3	96.6	83.1	83.1
Omsk Region	97.7	90.9	79.5	75.0
Tomsk Region	100	95.0	70.0	85.0

(continued)

	Internet	Of which broadband	Of which with data transmission speed of 2 Mbps and more	Website
Far Eastern Federal District	97.6	90.5	56.3	76.2
Republic of Sakha (Yakutia)	96.7	86.7	26.7	70.0
Kamchatka Territory	100	88.9	44.4	88.9
Primorsky Territory	100	96.9	78.1	62.5
Khabarovsk Territory	100	100	77.8	100
Amur Region	85.7	78.6	71.4	71.4
Magadan Region	100	85.7	57.1	100
Sakhalin Region	100	100	44.4	77.8
Jewish Autonomous Region	100	71.4	28.6	71.4
Chukotka Autonomous District	...	...	...	...

Glossary

Digitization level is ratio of installed capacity of electronic tele-
phone stations to the total installed capacity of telephone stations.

**Enterprises using the Internet to place (receive) orders for
goods or services** are enterprises engaged in the sale (purchase) of
goods or services through orders received (transmitted) by filling in
the online form available on the website, or using other specialised
software. Orders sent via email are excluded.

Fixed broadband Internet connection comprises subscriptions
using xDSL technology, cable modem (via TV cable), power lines, fiber optic
technologies, satellite, extended fixed wired and wireless Internet access
(Wi-Fi and other), high-speed mobile subscriptions and high-speed access
to the Internet at downstream speeds equal to, or greater than 256 kbps.

Fixed capital investment is total expenditure on creating/re-
producing capital assets (construction of new buildings, extension of
existing ones, reconstruction/upgrading of facilities, which increase
their original value and are accounted as the company's revaluation
reserve; acquisition of machinery, equipment, vehicles, etc.).

Internet is worldwide web of independent computer networks con-
nected with each other to exchange data via standard open protocols.

Maximum contracted download speed of Internet connection
is the highest possible speed of data transmission with bandwidth as

main characteristic measured by number of bits transmitted within
timeframe (bit per second).

The ICT sector comprises enterprises involved in the production of
ICT-related goods and provision of ICT services. These should meet at
least one of the requirements listed below.

- 1) The goods must:
 - a) be designed for telecommunications or information processing,
including its transmission and presentation;
 - b) use electronic devices to detect, change and/or record physical
phenomena, or control physical processes;
 - c) be individual components intended primarily for usage within
the products described above.
- 2) The services must:
 - a) allow for processing and transfer of information via electronic
devices;
 - b) be related to the sale or lease of hardware and/ or software;
 - c) directly create new information technologies or support the
implementation, adaptation and/or use of existing ones.

In Russian Information Society Statistics **the ICT sector by eco-
nomic activity** is presented according to international standards and
the Russian Classification of Economic Activities – RCEA (Rev. 1.1):

Economic activity	RCEA code (Rev. 1.1)
Manufacture of office machinery and computers	30
Manufacture of insulated wire and cable	31.3

Economic activity	RCEA code (Rev. 1.1)
Manufacture of radio, television and communication equipment and apparatus	32
Manufacture of instruments and appliances for measuring and checking	33.2
Manufacture of industrial process control equipment	33.3
Wholesale of radio and television equipment, data storage devices (with and without recorded information)	51.43.2
Wholesale of computers, computer peripheral equipment and software	51.84
Wholesale of other electronic equipment and parts	51.86
Wholesale of industrial electrical equipment, machinery, hardware and supplies	51.87.5
Telecommunications	64.2
Renting of office machinery and equipment, including computers	71.33
Computer and related activities	72

Website is the Internet location which has a specific address and an owner, and comprises web pages. For statistical purposes, an organi-

sation is considered a website owner if it has at least one Internet page with regularly updated information (at least once every six months).

**Information Society:
Trends in Regions of the Russian Federation**

Data Book

Edited by *A. Maksutova*

Design *P. Shelegeda*

Desk-top publishing *V. Puchkov*

National Research University – Higher School of Economics (HSE)

Institute for Statistical Studies and Economics of Knowledge

20, Myasnitskaya st., Moscow, 101000, Russia

Tel.: +7(495) 621-28-73

<http://issek.hse.ru>

E-mail: issek@hse.ru