

**STATE STATISTICAL COMMITTEE
OF THE REPUBLIC OF AZERBAIJAN**

INFORMATION SOCIETY IN AZERBAIJAN

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«Our purpose to take the leading place in ICT sector».

ILHAM ALIYEV, Prezident of the Republic of Azerbaijan

CONTENT

		Page
1	Preface	6
2	Introduction	8
2.1	Core indicators on ICT infrastructure	8
2.2	Availability and use of ICT in households	10
2.3	Core indicators on use of ICT by enterprises	12
2.4	ICT sector and core indicators on trade in ICT goods	14
3	Use of ICT by households and population	16
3.1	Use of phone communication	16
3.2	Availability of computers in households	18
3.3	Using of computers by population	20
3.4	Households with internet access	22
3.5	Population using internet	24
3.6	Security measures against Internet connection problems	26
3.7	E-skills	28
3.8	Number of fixed telephone sets and mobile cellular subscribers	31
3.9	Fixed telephone sets and mobile cellular subscribers per 100 inhabitants.....	32
3.10	Distribution of TV sets by types of receivers.....	33
3.11	Computers in households	34
3.12	Distribution of computers in households by types and regions.....	35
3.13	Proportion of households with computers, (by number of family members).....	36
3.14	Proportion of households with computer, (by average monthly income).....	37
3.15	Distribution of computers in households by types.....	38
3.16	Computers per 1000 inhabitants by households.....	39
3.17	Proportion of home internet access.....	40
3.18	Distribution of equipments by types of Internet connection.....	41
3.19	Reasons of unavailability of home Internet access	42
3.20	Frequency of computer use by population (within the last 3 months).....	43
3.21	Place of computer use (within the last 3 months).....	44
3.22	Distribution of computer users by age groups	45
3.23	Distribution of computer users by educational attainments.....	46
3.24	Frequency of Internet use (within the last 3 months).....	47
3.25	Place of Internet use (within last 3 months).....	48
3.26	Distribution of Internet users by age groups.....	49
3.27	Distribution of Internet users by educational attainment.....	50
3.28	Purposes of use of Internet network.....	51
3.29	Acquisition of computer related skills and use of standard program packages	52
3.30	Computer users per 100 inhabitants	53
3.31	Internet users per 100 inhabitants	55

4	Access to ICT systems in enterprises	57
4.1	Availability of computers in enterprises	57
4.2	Use of computers in enterprises	59
4.3	Enterprises with Internet access	61
4.4	Enterprises with Internet access	63
4.5	Purposes of Internet use in enterprises	65
4.6	Availability of computers in the enterprises by regions	67
4.7	Number of enterprises using computers by regions	70
4.8	Proportion of enterprises using computers in acting enterprises by regions	73
4.9	Availability of computers in the enterprises by kinds of economic activity	76
4.10	Number of enterprises using computers by kinds of economic activity	77
4.11	Proportion of enterprises using computers in acting enterprises by kinds of economic activity.....	78
4.12	Distribution of enterprises by ICT networks used.....	79
4.13	Distribution of enterprises used computers by the number of employees	80
4.14	Number of employees used of computers in the enterprises, by kinds of economic activity	81
4.15	Number of employees using computers in relation to pay-roll of employees working in enterprises having computer by kinds of economic activity	82
4.16	Number of employees using computer in relation to pay-roll of employees worked in operating enterprises by kinds of economic activity.....	83
4.17	Number of employees using computers by regions	84
4.18	Number of employees using computers in relation to pay-roll of employees working in enterprises having computer by region.....	87
4.19	Number of employees using computer in relation to pay-roll of employees working in operating enterprises by kinds of economic activity.....	90
4.20	Distribution of employees using computers by gender	93
4.21	Enterprises with Internet access by kinds of activity	96
4.22	Share of enterprises with Internet access in total number of enterprises using computer by kinds of economic activity.....	97
4.23	Share of enterprises with Internet access in total number of all enterprises.....	98
4.24	Enterprises with Internet access by regions	99
4.25	Share of enterprises with Internet access in total number of enterprises used computers by kinds of activity.....	102
4.26	Share of enterprises with Internet access in total number of enterprises by regions	105
4.27	Number of computers with Internet access in enterprises by kinds of activity	108
4.28	Share of computers with Internet access in enterprises in total number of computers by kinds of activity	109
4.29	Enterprises having computers with Internet access by regions	110
4.30	Share of computers with Internet access in enterprises in total number of all computers by regions.....	113
4.31	Distribution of enterprises connecting to Internet by number of employees.....	116
4.32	Number of employees using Internet by regions	117
4.33	Number of employees using Internet in relation to pay-roll of employees working in enterprises with Internet access by regions	120
4.34	Number of employees using Internet in relation to pay-roll of employees working in all operating enterprises	123

4.35	Number of employees using Internet by kinds of activity of enterprises	126
4.36	Number of employees using Internet in enterprises in relation to pay-roll of employees working in enterprises with Internet access by kinds of activity of enterprises	127
4.37	Number of employees using Internet in enterprises in relation to pay-roll of employees working in all operating enterprises by kinds of activity	128
4.38	Distribution of employees using Internet by gender	129
4.39	Distribution of enterprises by type of Internet connection	130
4.40	Distribution of enterprises by purposes of Internet use.....	131
4.41	Internet connection with public authorities by kinds of activity	133
4.42	Number of enterprises with Web site (Web page)	134
5	Availability of ICT equipments in the state day general educational schools	135
5.1	Number of schools with computer	135
5.2	Number of available computers in schools	135
5.3	Number of schools provided with main telecommunication or telephone.....	136
5.4	Schools with internet access	136
5.5	Number of computers connected to internet	137
5.6	Number of pupils used internet	137
5.7	Provision of state day general educational schools with electricly, information and communication technologies	138
5.8	Availability of local and electron net work in the state day general educational schools	138
6	Main macro indicators by ICT sector	139
6.1	Output of product and rendering of services in ICT sector	139
6.2	Value added in ICT sector	141
6.3	Production of ICT equipments	143
7	Import and export of ICT goods	145
7.1	ICT equipments imported to the country	145
7.2	ICT equipments exported from the country	152
8	Methodological explanations	159

1. Preface

Experience of the advanced countries of the world demonstrates that the systematized policy covering science, education and economy is the main guarantor long and steady development of each country. The Information and Communication Technology (ICT) which is the leading force of this policy in recent years promptly developing, became a component of human activity and the social and economic relations in all areas and in everyday life. Application of the latest developments of ICT in management, education, health care, business, tourism and banking services, creates a condition of obtaining benefit to each member of society. From this point of view state policy on new technologies has to advance political and public thinking of society, and has to define a strategic course of the works which are coming in this direction in the next decades. In the Azerbaijan Republic state policy on development of the sphere of ICT is also based on this principle and is based on the international experience.

Dynamics of development of information and communication technologies in our country, models of successful cooperation with the international structures, the tasks set on formation of the economy based on high technologies, and at last as a component of state policy, great attention and the care rendered in the sphere of ICT guarantees great success to our country in the field of high technologies in the near future. Acceptance of National Strategy for development of information society for 2014-2020 years also is an obvious indicator of consecutive character of policy of the state in this sphere. In the country is already organized activity of Public Foundation of Information technology development, the Park of High Technologies, the Center of Electronic Safety.

The works done for development of ICT in Azerbaijan find the reflection and in reports of the international organizations. So in the report of the UN of "E-Government Survey 2016" which is traditionally published every two years on the rating of the Development of the Electronic Government index of 193 countries of members of the UN Azerbaijan has risen from the former 68th place to the 56th place.

Azerbaijan in the report of the World Economic Forum of "The Global Competitiveness Index 2017-2018" among 137 countries of the world I have taken the 35th place, in the same report on an indicator of "Government procurement of advanced technology products" the 14th place, on an indicator of "FDI and technology transfer" the 29th place, and on an indicator of "Internet users" the 34th place.

Azerbaijan in the report of "Global Information Technology Report 2016" prepared by the World Economic Forum in cooperation with INSEAD, moving 4 steps above on the 53rd place among 139 countries, on an indicator of "Mobile

Network Coverage" of the same report on the 1st place, on an indicator of "Government success in ICT promotion" on the 8th place, on an indicator of "ICT use & government efficiency" on the 12th place.

Also in joint cooperation of WIPO (Intellectual World Property Organization), Cornell University and INSEAD has been published the report of "Global Innovation Index 2017". In the report various estimates on 82 indicators have been carried out and have been determined the rating of the countries by Global Innovation Index. In this assessment covering 127 countries, Azerbaijan has risen by 3 steps and has taken the 82nd place. Azerbaijan on the "ICT use" indicator of the same report has located on the 45th place, on "Government's online service" indicator on the 47th place, and on "ICT access" indicator on the 57th place.

The current survey covering more than 26.6 thousand family's members of households aged 7 years old and over that were selected by sample random method, has been carried out for the purpose to obtain updated data for 2017. This survey involved all legal entities excluding agricultural enterprises and trade enterprises with less than 5 employees.

There have been reflected wide information on ICT systems, availability and use of computers, access to Internet, Internet use, e-skills of population in the households and enterprises on 2012-2017, as well as main macro indicators on ICT sector, import and export of ICT products in the yearbook.

Footnotes used in yearbook:

- not applicable
- data not available
- 0 data characterized by the least number

Note:

In some cases, negligible distinction between the total and sum is explained by rounding of figures. The information on territories occupied by Armenia isn't included; the total population is indicated in assessment of data of the sample survey by country.

2. Introduction

2.1 Core indicators on ICT infrastructure

Total number of fixed telephone sets (including pay telephones) per 100 population made 15 units, mobile phone numbers made 104 in 2017. At the beginning of 2018, 2339.7 thousand computers were available in the country (2314.6 thousand in 2017), of which 1537.4 thousand – in households, 341.0 thousand – in legal entities and 461.3 thousand – in private owners operated without creating legal entity¹. 79 from 100 population were internet users at the beginning of 2018. During 2012-2017 ICT development index increased from 5.22 to 6.20².

Figure 2.1

Core indicators on ICT infrastructure per 100 inhabitants

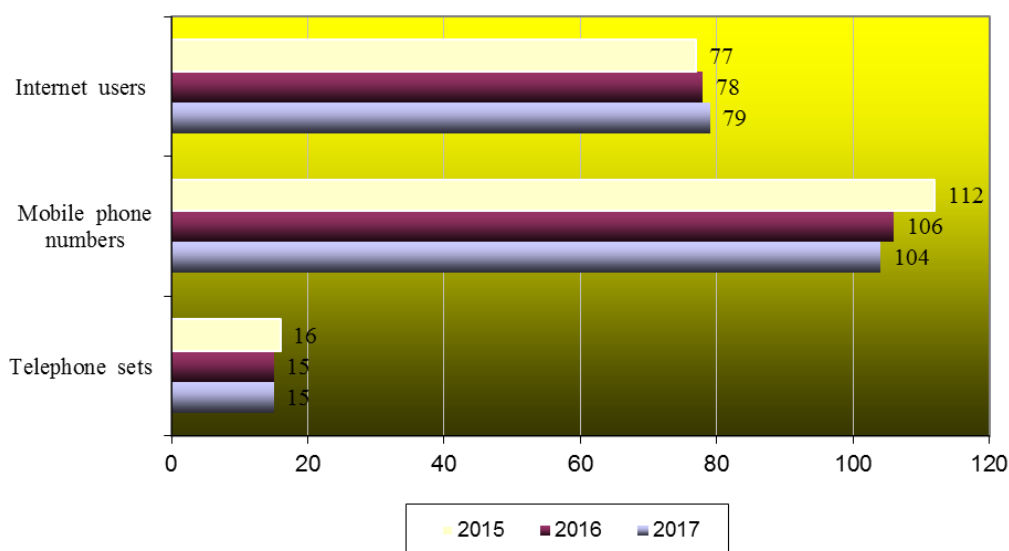


Table 2.1 indicators on ICT infrastructure

Indicators	2012	2013	2014	2015	2016	2017
Internet users per 100 population, person	70	73	75	77	78	79
Broadband Internet users per 100 population, person	50	55	65	72	72	73
Volume of international internet bandwidth per capita, kbit/s	22.4	26.9	35.1	54.0	68.0	79.6
Proportion of population living in area covered by mobile cellular telephone, in percentage	99.8	99.8	99.8	99.9	100.0	100.0
Internet access average tariff (20 hours per month), manat	1.4	1.3	1.3	1.3	1.2	1.2
Proportion of average monthly total national income to Internet access tariff per capita, in percentage	0.3	0.3	0.2	0.3	0.3	0.2
Mobile cellular average tariff (100 minutes of use per month), manat	7.1	7.0	6.9	6.9	6.7	6.6
Proportion of average monthly total national income to mobile cellular tariff per capita, in percentage	1.5	1.4	1.4	1.5	1.5	1.1
Total number of telephone sets per 100 population, unit	17	17	17	16	15	15
Number of fixed telephone sets per 100 population	16	16	16	15	15	15
Mobile phone numbers per 100 population, number	105	105	107	112	106	104
ICT development Index	5.22	5.65	5.79	6.23	6.25	6.20

¹ Agricultural enterprises, as well as trade enterprises less than 5 employees and private entrepreneurs acting without creation legal entity didn't cover by the survey. The number of computers in the trade enterprises less than 5 employees was 77.8 thousand and private entrepreneurs – 461.3 thousand according to statistical analysis.

² ICT development index is main indicator characterising ICT development dynamics in the world countries and reflects comparability of corresponding periods.

³ According to ITU calculations

2.2 Availability and use of ICT in households

All households of the country have TV sets. 64 from 100 families had computer and generally, 71.7 percent of the population used computer. 77.8 percent households had Internet access at home.

Figure 2.2
Proportion of households having computers in all households, in percentage

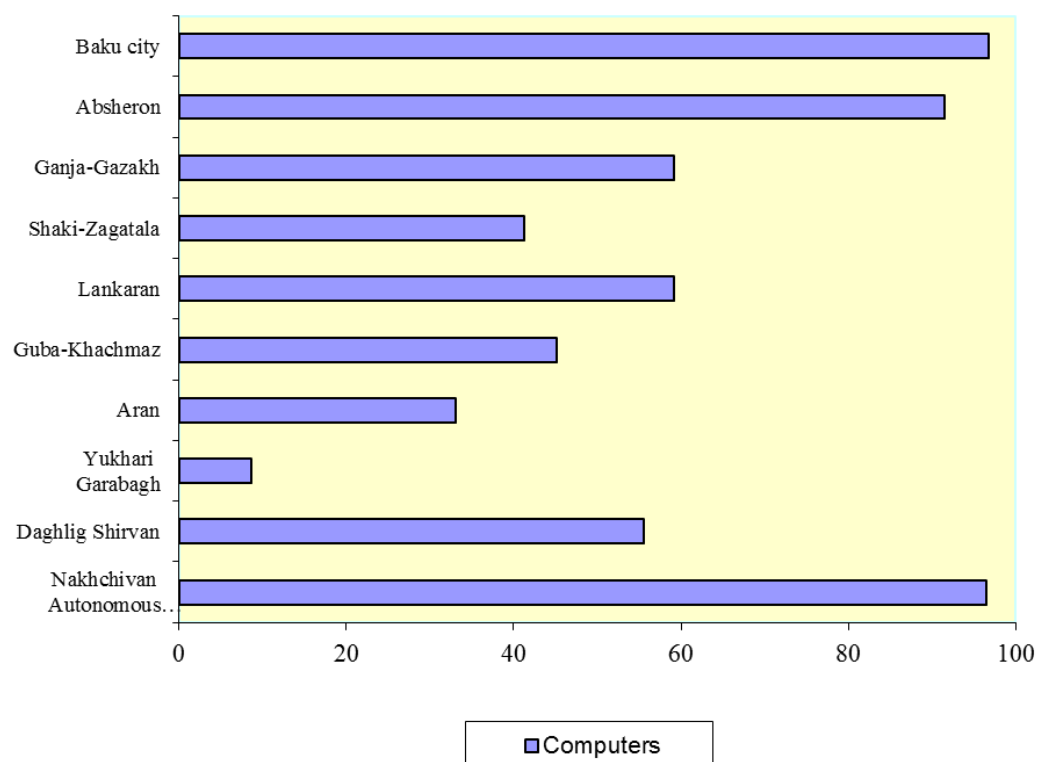


Table 2.2 Core indicators on availability and use of ICT in households⁴

Indicators	2012	2013	2014	2015	2016	2017
Share of households with a TV, in percentage	100.0	100.0	100.0	100.0	100.0	100.0
Share of households with a computer, in percentage	47.7	53.2	58.3	62.4	63.1	63.8
Proportion of individuals who used a computer, in percentage	56.0	62.0	67.8	69.9	70.8	71.7
Share of households with Internet access at home, in percentage	64.4	71.6	75.2	76.7	77.2	77.8
Proportion of individuals who used the Internet, in percentage	70.0	73.0	75.0	77.0	78.0	79.0
Distribution of Internet users by location of use (in the last 3 months), in percentage relative to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>at home</i>	40.9	56.5	65.2	67.5	68.0	68.5
<i>internet cafe</i>	7.7	6.5	3.7	3.5	3.6	3.4
<i>at work</i>	21.7	21.9	18.1	17.1	17.3	17.6
<i>at place of education</i>	9.5	9.7	8.8	8.1	8.2	8.0
<i>at library</i>	0.6	0.5	0.5	0.5	0.5	0.6
<i>others</i>	19.6	4.9	3.7	3.3	2.4	1.9
Distribution of Internet users by purposes of use (in the last 3 months), in percentage relative to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>searching information</i>	29.6	29.1	29.0	29.4	30.4	29.7
<i>communicating</i>	29.7	29.8	29.7	29.8	29.1	29.6
<i>education and learning activities</i>	7.0	7.3	6.9	6.7	6.8	7.0
<i>downloading games, images or listening to music</i>	20.3	19.6	18.7	18.1	18.3	17.6
<i>ordering or selling goods or services</i>	1.4	1.4	1.4	1.5	1.3	1.4
<i>dealing with public authorities (getting and sending information, downloading documents)</i>	12.0	12.8	14.3	14.5	14.1	14.7

³ 26.6 thousand family members selected by random selection method by all regions of the country were participated in the survey, results of the survey were grouped by regions and concerned to general population and obtained results at national level in order to study using of ICT in the households.

2.3 Core indicators on use of ICT by enterprises

12.3 thousand or 66.9 percent of enterprises operating in the country in 2017 used computers. Proportion of employees using computers in total number of employees increased during the last year from 29.6 percent to 30.7 percent.

During the year number of enterprises with Internet access increased 1.1 percent. Number of employees used internet in total number of employees of operating enterprises made 23.1 percent.

Specific weight of the enterprises the made orders for goods and services on the Internet was 6,3 percent.

Figure 2.3

**Distribution of enterprises by types of Internet connection,
as % to total**

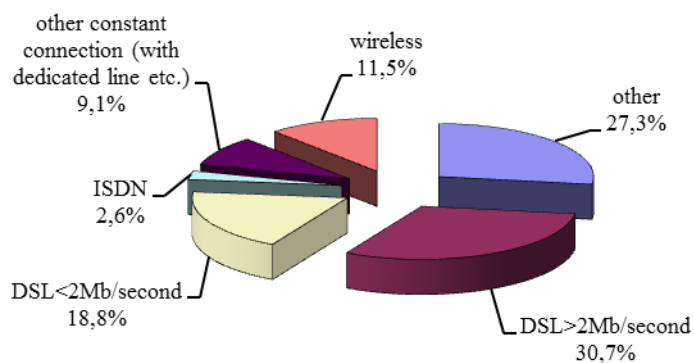


Table 2.3 Core indicators on use of ICT by enterprises

Indicators	2012	2013	2014	2015	2016	2017
Proportion of enterprises using computers, in percentage ⁵	57.1	57.8	58.6	63.1	65.3	66.9
Proportion of employees using computers, in percentage	18.5	21.6	23.2	28.0	29.6	30.7
Proportion of enterprises using the Internet, in percentage	40.9	42.2	45.7	48.0	51.6	52.5
Proportion of employees using the Internet, in percentage	10.9	14.4	16.5	20.4	21.9	23.1
Proportion of enterprises with a Web presence (Web page, Web site), in percentage	9.2	9.3	10.4	11.9	11.9	12.2
Distribution of enterprises by ICT networks used, in percentage relative to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>wireless LAN</i>	22.7	22.3	26.1	24.2	23.8	25.4
<i>wireless based LAN</i>	47.7	47.6	46.0	48.0	47.8	48.4
<i>intranet</i>	27.9	27.4	22.4	22.2	22.0	21.4
<i>extranet</i>	1.7	1.7	5.5	5.6	6.4	4.8
Distribution of enterprises by type of Internet access, in percentage relative to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>modem (dial-up)</i>	28.1	29.5	35.3	33.4	34.1	30.7
<i>DSL>2Mb/second</i>	25.3	26.0	24.9	21.8	21.1	18.8
<i>DSL<2Mb/second</i>	3.2	3.0	2.8	2.5	2.4	2.6
<i>ISDN</i>	9.3	10.3	9.3	10.6	8.2	9.1
<i>other constant connection (with dedicated line etc.)</i>	6.3	6.8	7.6	8.1	9.4	11.5
<i>wireless</i>	27.8	24.4	20.1	23.6	24.8	27.3
Proportion of enterprises ordered over the internet, in percentage	5.9	6.1	6.0	6.0	6.2	6.3
Proportion of enterprises received order over the internet, in percentage	5.5	5.6	5.5	5.8	5.2	5.3

⁵ as per cent only operating enterprises, excluding agricultural and trade enterprises less than 5 employees

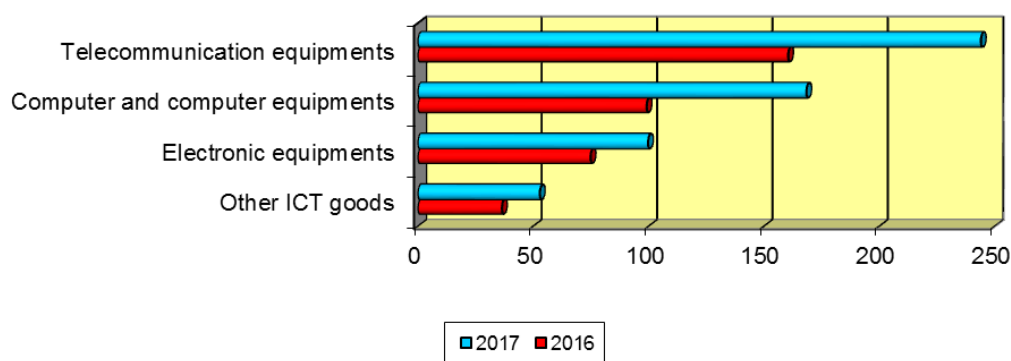
2.4 ICT sector and core indicators on trade in ICT goods

Value added amounted to 1038.1 million manats or less than 8.3% compared to previous year has created by enterprises of ICT sector in 2017. The number of employees covered by ICT sector made 18.1 thousand persons or 1.2 % by whole economy. Volume of capital investment directed to ICT sector during the year made 170.2 million manats.

ICT goods by 89 commodity groups⁶ amounting to 565.1 million manats (328.4 million \$), including telecommunication equipments by 10 commodity groups amounting to 244.0 million manats (141.8 million \$), computer and computer equipments by 18 commodity groups amounting to 168.4 million manats (97.9 million \$), electronic equipments by 32 commodity groups amounting to 99.8 million manats (58.0 million \$) and other ICT goods by 29 commodity groups imported within the year.

Figure 2.4

The cost imported of ICT goods in 2016-2017, in million manats



⁶ according to Harmonised Commodity Description and Coding System

Table 2.4 ICT sector and core indicators on trade in ICT goods

Indicators	2012	2013	2014	2015	2016	2017
Output in ICT sector, million manats	1 420.2	1 528.0	1 577.5	1 589.2	1 527.5	1 662.6
<i>communication sector</i>	<i>1 289.2</i>	<i>1 341.6</i>	<i>1 381.3</i>	<i>1 378.2</i>	<i>1 315.9</i>	<i>1 391.1</i>
Value added in ICT sector, million manats	861.8	949.0	963.3	970.7	958.7	1 038.1
<i>communication sector</i>	<i>783.5</i>	<i>839.4</i>	<i>855.5</i>	<i>858.1</i>	<i>843.0</i>	<i>890.5</i>
Proportion of value added generating in ICT sector in GDP, per cent	1.6	1.6	1.6	1.8	1.6	1.5
<i>communication sector</i>	<i>1.5</i>	<i>1.4</i>	<i>1.5</i>	<i>1.6</i>	<i>1.4</i>	<i>1.3</i>
Investments by ICT enterprises, million manats	322.3	192.4	147.2	338.4	198.2	170.2
Import of ICT goods, million manats	249.2	203.8	214.4	268.6	371.1	565.1
<i>computer and computer equipments</i>	<i>66.5</i>	<i>50.8</i>	<i>74.6</i>	<i>60.0</i>	<i>99.2</i>	<i>168.4</i>
<i>telecommunication equipments</i>	<i>116.3</i>	<i>112.1</i>	<i>92.5</i>	<i>99.8</i>	<i>160.5</i>	<i>244.0</i>
<i>electronic equipments</i>	<i>19.7</i>	<i>18.5</i>	<i>19.6</i>	<i>34.0</i>	<i>74.9</i>	<i>99.8</i>
<i>other ICT goods</i>	<i>46.7</i>	<i>22.4</i>	<i>27.7</i>	<i>74.8</i>	<i>36.5</i>	<i>52.9</i>
Proportion of imported ICT goods as a percentage of total imports, in percentage	3.3	2.4	3.0	2.8	2.7	3.7
The number of employees engaged in ICT sector, thousand persons	19.0	19.3	19.9	20.1	18.0	18.1
Proportion of employees involved in ICT sector, in percentage	1.4	1.3	1.3	1.3	1.2	1.2

3. Use of ICT by households and population

3.1 Use of phone communication

Number of fixed telephone sets which are one of the indicators of the Millennium Development Goals was 1455.5 thousand units in 2017.

Number of telephone sets increased during last 10 year 1.2 times and number of fixed telephone sets per 100 households made 63 units.

Figure 3.1

Dynamics of the number of fixed telephone sets and mobile cellular subscribers in urban and rural areas, 1000 numbers

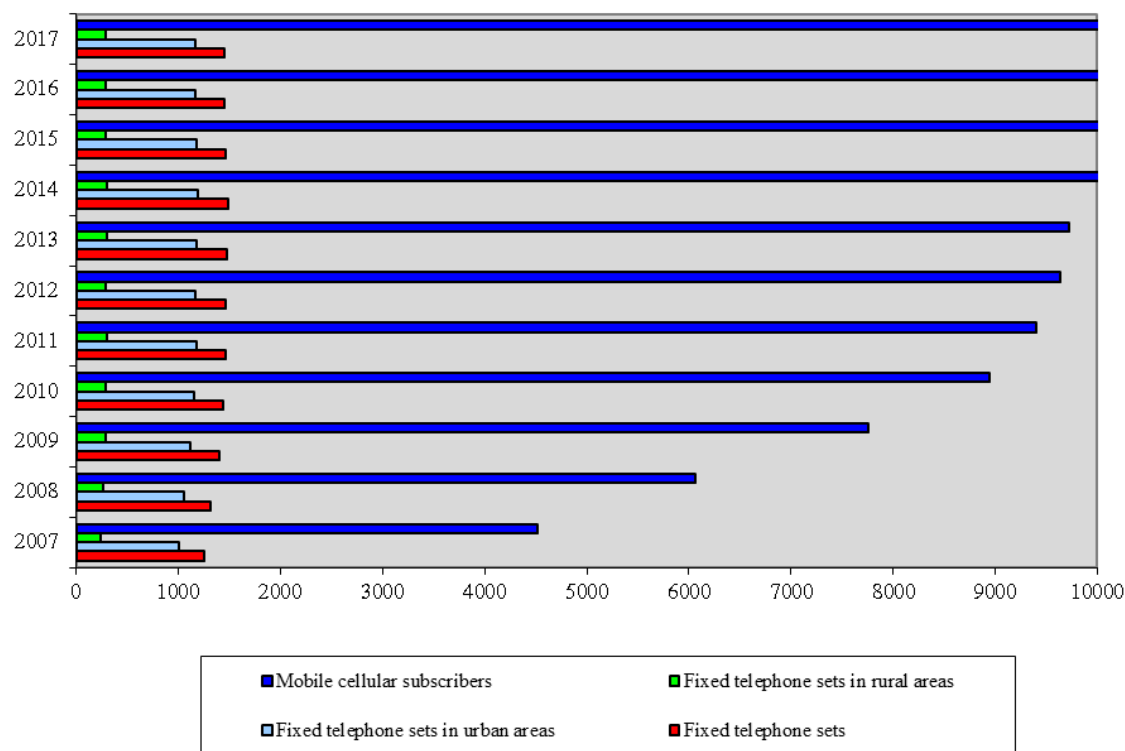


Table 3.1 Core infrastructure indicators on phone communication

Indicators	2012	2013	2014	2015	2016	2017
Total number of telephone sets (including all telephone sets and pay phones connected to phone network of common use), thsd. numbers	1 516.6	1 536.7	1 551.5	1 500.0	1 489.7	1 500.2
Number of fixed telephone sets, thousand numbers	1 456.6	1 470.4	1 485.3	1 467.8	1 452.9	1 455.5
<i>urban</i>	<i>1 165.0</i>	<i>1 172.6</i>	<i>1 186.1</i>	<i>1 180.2</i>	<i>1 167.4</i>	<i>1 163.3</i>
<i>rural</i>	<i>291.6</i>	<i>297.8</i>	<i>299.2</i>	<i>287.6</i>	<i>285.5</i>	<i>292.2</i>
Total number of telephone sets per 100 population, unit	17	17	17	16	15	15
Fixed telephone sets per 100 population, unit	16	16	16	15	15	15
<i>urban</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>23</i>	<i>23</i>	<i>23</i>
<i>rural</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>6</i>	<i>6</i>	<i>6</i>
Fixed telephone sets per 100 households	67	68	69	67	63	63
<i>urban</i>	<i>96</i>	<i>97</i>	<i>98</i>	<i>97</i>	<i>92</i>	<i>91</i>
<i>rural</i>	<i>31</i>	<i>32</i>	<i>32</i>	<i>31</i>	<i>28</i>	<i>30</i>
Total capacity of PSTN, thousand numbers	1 779.5	1 815.6	1 844.3	1 854.5	1 875.6	1 881.9
Number of mobile cellular subscribers, thousand subscribers	9 634.6	9 720.6	10 101.9	10 697.3	10 189.0	10 127.0
Mobile cellular subscribers per 100 population	105	105	107	112	106	104
Total of population living in area covered by mobile cellular, thousands person	9 337.8	9 461.0	9 515.9	9 520.0	9 637.8	9 734.0
Proportion of population living in area covered by mobile cellular in country's population, %	99.8	99.8	99.8	99.9	100.0	100.0

3.2 Availability of computers in households

At the beginning of 2018, 1537.4 thousand computers were available at households, 847.2 thousand (55.1%) of which were desktop computers, 690.2 thousand (44.9%) - portable computers (plane table). The proportion of households with computers has increased from 63.1% to 63.8% and the number of computers per 100 inhabitants has increased from 15.6 to 15.7 computers.

1171.5 thousand or 76.2 percent of available computers were share of urban areas. 46.3 % of computers was available in Baku city, 7.5 percent –Nakhchivan Autonomous Republic, 10.8 percent - Absheron, 10.2 percent - Ganja-Gazakh, 8.5 percent - Aran, and the rest in other economic regions.

Figure 3.2

Availability of computers in households, thousand units

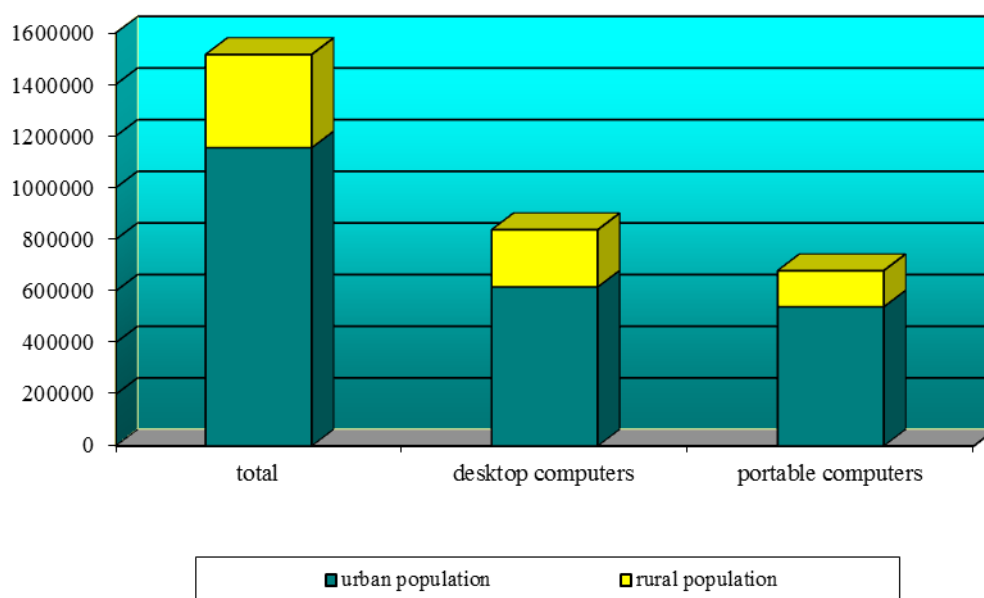


Table 3.2 Availability of computers in households

Indicators	2012	2013	2014	2015	2016	2017
Number of computers, thousand units	947.4	1 158.2	1 412.5	1 493.8	1516.2	1 537,4
<i>desktop computers</i>	672.6	734.3	798.4	828.3	837.3	847,2
<i>portable computers</i>	274.8	423.9	614.1	665.5	678.9	690,2
Distribution of computers in households by types, in percent	100.0	100.0	100.0	100.0	100.0	100,0
<i>desktop computers</i>	71.0	63.4	56.5	55.4	55.2	55,1
<i>portable computers</i>	29.0	36.6	43.5	44.6	44.8	44,9
Proportion of households with computers, according to the number of family members, in percent	47.7	53.2	58.3	62.4	63.1	63,8
<i>Single member households</i>	38.3	44.6	49.4	51.9	52.5	53,0
<i>2-3 members households</i>	59.4	65.2	70.1	71.0	71.2	71,9
<i>4-5 member households</i>	58.1	64.5	69.6	71.2	72.1	72,8
<i>more than 6 members</i>	24.0	28.3	33.4	34.1	35.8	36,2
Proportion of households with computers, according to average monthly wage, in percent						
<i>less from 200 manats</i>	5.8	5.4	5.4	5.3	5.5	5,4
<i>200- 399 manats</i>	40.6	39.8	39.5	39.7	39.6	40,0
<i>more than 400 manats</i>	76.2	77.1	78.4	78.7	78.5	79,3
1. Computers per 100 inhabitants, in households, unit⁷	10.3	12.4	14.9	15.4	15.5	15,7
<i>desktop computers</i>	7.3	7.9	8.4	8.5	8.6	8,6
<i>portable computers</i>	3.0	4.5	6.5	6.9	6.9	7,1

⁷ The number of computers is given per 100 inhabitants for comparison of this indicator at international level. For detailed description of data the similar information is presented in table 3.16 by calculation per 1000 inhabitants.

3.3 Using of computers by population

71.7 percent of population used computers all over the country in 2017. Within the last three months, 80.6 percent of individuals used computers almost every day, 16.0 percent - at least once a week, 2.7 percent - at least once a month and 0.7 percent used only once.

The number of individuals using of computers at home has increased. 56.3% of persons used computer at home, 20.0% - at work place, 21.2% - at educational institution, 1.4% - at acquaintances and the rest in other places. 42.6 percent of users are aged under 24 years old. Proportion of users aged over 64 years old made 0.1%.

59.2 percent of computer users have general secondary education, 18.4 percent - post secondary non-tertiary education and 22.4 percent - higher education.

Figure 3.3

**Frequency of computer using by population,
as % to total**

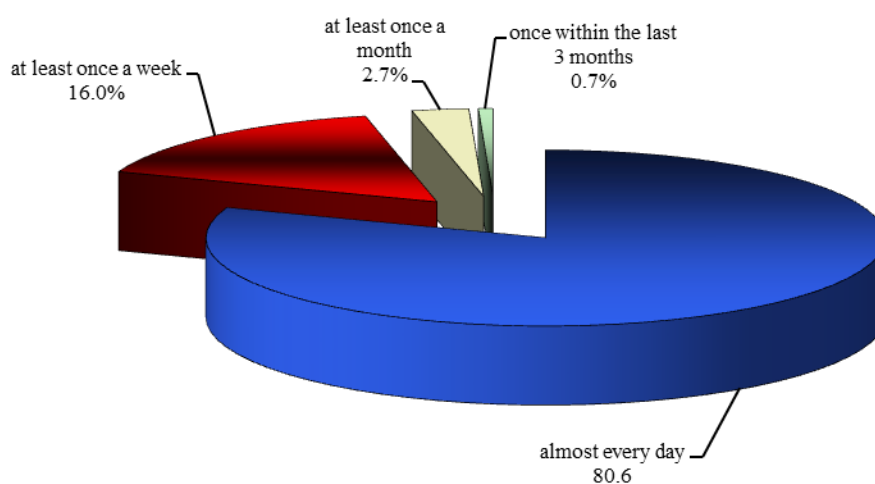


Table 3.3 Using of computers by population

Indicators	2012	2013	2014	2015	2016	2017
Share of computer users, in percent	56.0	62.0	67.8	69.9	70.8	71.7
<i>men</i>	62.1	64.5	69.9	71.3	70.9	71.8
<i>women</i>	50.1	59.6	65.7	68.5	70.7	71.6
Distribution of computer users by place of location, in percent	100.0	100.0	100.0	100.0	100.0	100.0
<i>home</i>	48.8	49.3	53.6	55.8	56.1	56.3
<i>workplace</i>	20.5	21.4	20.3	19.6	19.8	20.0
<i>educational institutions</i>	23.7	24.1	21.9	20.7	21.0	21.2
<i>home of friend or relatives</i>	2.6	2.3	1.9	1.7	1.5	1.4
<i>other</i>	4.4	2.9	2.3	2.2	1.6	1.1
Distribution of computer users by frequency, in percent	100.0	100.0	100.0	100.0	100.0	100.0
<i>daily</i>	67.9	71.4	79.8	80.6	80.3	80.6
<i>at least once a week</i>	27.2	24.0	16.7	16.3	16.2	16.0
<i>at least once a month</i>	2.9	2.7	2.8	2.7	2.7	2.7
<i>once within the last 3 months</i>	2.0	1.9	0.7	0.4	0.8	0.7
Distribution of computer users by age groups, in percent	100.0	100.0	100.0	100.0	100.0	100.0
<i>24 years old</i>	43.9	44.2	42.0	43.2	43.1	42.6
<i>25-34 years old</i>	18.1	22.8	24.2	23.3	23.6	23.7
<i>35-64 years old</i>	37.9	32.9	33.7	33.4	33.2	33.6
<i>over 64 years old</i>	0.1	0.1	0.1	0.1	0.1	0.1
Distribution of computer users by educational attainment⁸, in percent	100.0	100.0	100.0	100.0	100.0	100.0
<i>secondary education</i>	62.8	61.5	58.7	59.1	58.9	59.2
<i>post-secondary non-tertiary education</i>	18.4	19.4	18.6	18.1	18.0	18.4
<i>higher education</i>	18.8	19.1	22.7	22.8	23.1	22.4

⁸ Education degrees are presented in compliance of "National Classification of Education of Azerbaijan" (AZT018-2004), prepared on the basis of "The International Standard Classification of Education" of UNESCO (ISCED 97).

3.4 Households with internet access

Internet access in households by country has expanded, so at average 77.8 % (77.2 % in 2016) of them had possibility to access.

71.1 percent of households accessed the internet with broadband, 25.4 percent - mobile telephone and 3.5 percent – via other equipments. According to the availability of technical facilities, majority of the population in the capital accessed the internet via broadband, while population in other economic regions - via mobile telephones.

Households not having access to Internet indicated different reasons, such as computer equipment is expensive (40.0 percent), lack of skills (22.9 percent), no need (11.3 percent), high access charge (7.6 percent), lack of technical facilities in the territory (0.9 percent), other reasons (17.3 percent).

Figure 3.4
Reasons of unavailability of households access to internet,
as % to total

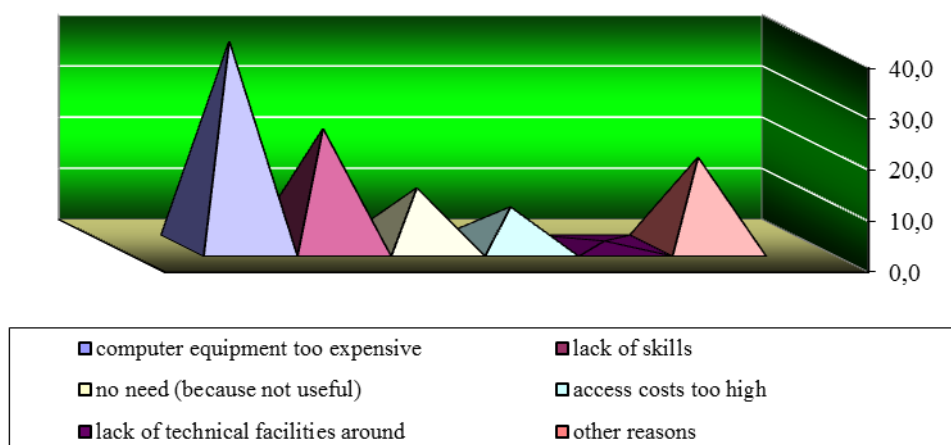


Table 3.4 Households with internet access

Indicators	2012	2013	2014	2015	2016	2017
Proportion of households with an Internet access, in percent	64.4	71.6	75.2	76.7	77.2	77.8
<i>Single member households</i>	58.1	67.2	69.2	69.7	69.8	69.9
<i>2-3 members households</i>	73.0	79.6	81.9	82.2	82.0	81.8
<i>4-5 member households</i>	72.7	79.2	82.1	82.4	82.5	82.6
<i>more than 6 members</i>	50.4	56.4	60.4	61.3	61.5	61.7
Distribution of households by types of Internet connection, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>broadband</i>	50.4	59.6	70.6	71.1	71.0	71.1
<i>mobile phone</i>	34.4	28.9	25.4	25.1	25.3	25.4
<i>other</i>	15.2	11.5	4.0	3.8	3.7	3.5
Distribution of households by reasons of unavailability to access the Internet, in percentage	100.0	100.0	100.0	100.0	100.0	100.0
<i>computer equipment is expensive</i>	39.5	38.8	38.6	40.6	40.3	40.0
<i>lack of skills</i>	22.9	22.5	22.2	23.3	23.1	22.9
<i>no need</i>	10.3	9.5	10.8	11.3	11.4	11.3
<i>access charge is too high</i>	7.6	7.0	7.5	7.9	7.7	7.6
<i>lack of technical facilities in the territory</i>	0.9	0.9	0.9	1.0	0.9	0.9
<i>other reasons</i>	18.8	21.3	20.0	15.9	16.6	17.3

3.5 Population using internet

At the beginning of 2018, 79 of every 100 individuals used internet. 68.5 percent of users accessed the internet at home, 3.4 percent - internet cafe, 17.6 percent - at workplace, 8.0 percent – educational institutions, 0.6 percent - libraries and 1.9 percent - other places. The proportion of internet users accessing Internet averagely everyday is 81.7 percent.

41.9 percent of internet users are youths under aged 24 years old. Proportion of users aged over 64 years made 0.1 percent. 21.3 percent of users have higher education. Share of individuals using Internet for searching (29.7 percent) information and communicating (29.6 percent) was the largest.

Figure 3.5

Distribution of Internet users by purposes, as % to total

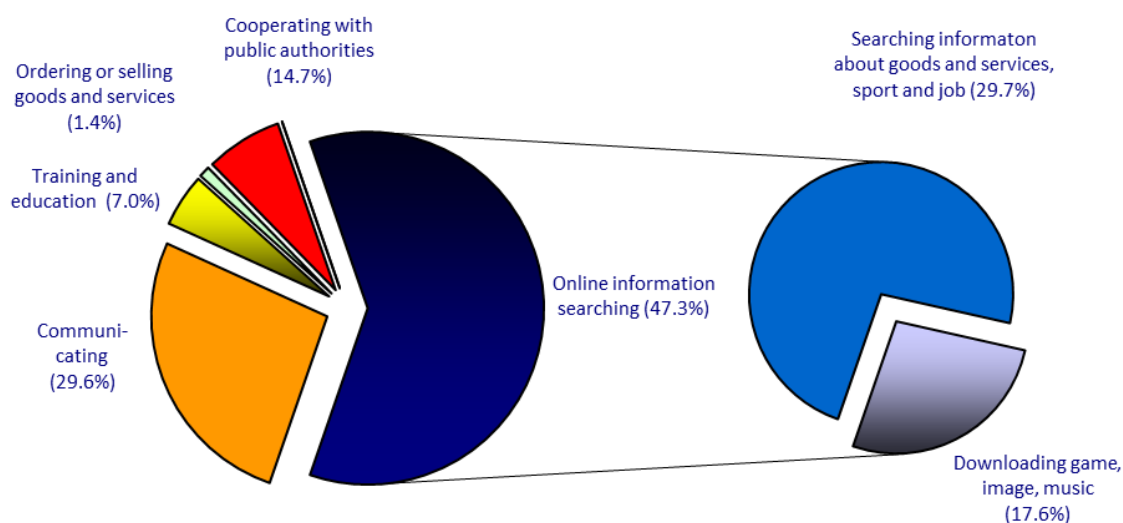


Table 3.5 Population using internet

Indicators	2012	2013	2014	2015	2016	2017
Distribution of users by location, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>home</i>	40.9	56.5	65.2	67.5	68.0	68.5
<i>internet cafe</i>	7.7	6.5	3.7	3.5	3.6	3.4
<i>workplace</i>	21.7	21.4	18.1	17.1	17.3	17.6
<i>educational institutions</i>	9.5	9.7	8.8	8.1	8.2	8.0
<i>public library</i>	0.6	0.5	0.5	0.5	0.5	0.6
<i>others</i>	19.6	5.4	3.7	3.3	2.4	1.9
Distribution of internet users by frequency, in percent	100.0	100.0	100.0	100.0	100.0	100.0
<i>every day</i>	76.2	76.7	80.9	81.3	81.6	81.7
<i>at least once a week</i>	21.0	20.7	16.6	16.4	16.1	15.9
<i>at least once a month</i>	2.1	1.9	1.8	1.7	1.6	1.5
<i>once within the last 3 months</i>	0.7	0.7	0.7	0.6	0.7	0.9
Age distribution of users the internet, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>24 years old</i>	41.2	46.1	40.1	42.9	42.5	41.9
<i>25-34 years old</i>	21.1	23.1	25.1	24.7	25.0	25.2
<i>35-64 years old</i>	37.6	30.7	34.7	32.3	32.4	32.8
<i>over 64 years old</i>	0.1	0.1	0.1	0.1	0.1	0.1
Distribution of Internet users by educational attainment, in percent	100.0	100.0	100.0	100.0	100.0	100.0
<i>secondary education</i>	51.0	57.6	59.6	61.2	61.4	59.8
<i>post-secondary non-tertiary education</i>	21.2	20.8	18.1	18.7	18.6	18.9
<i>higher education</i>	27.8	21.6	22.3	20.1	20.0	21.3
Distribution of Internet users by purposes, in percent	100.0	100.0	100.0	100.0	100.0	100.0
<i>search information</i>	29.6	29.1	29.0	29.4	30.4	29.7
<i>communicate</i>	29.7	29.8	29.7	29.8	29.1	29.6
<i>training and education</i>	7.0	7.3	6.9	6.7	6.8	7.0
<i>downloading games, images or listening music</i>	20.3	19.6	18.7	18.1	18.3	17.6
<i>ordering or selling goods and services</i>	1.4	1.4	1.4	1.5	1.3	1.4
<i>dealing with public authorities</i>	12.0	12.8	14.3	14.5	14.1	14.7

3.6 Security measures against Internet connection problems

Four of each 5 computers connected to Internet have been supplied with virus checking programs.

At connection to the Internet concerning taken security measures of 23.8 percent of users have regarded the main problem the computer viruses which have caused loss of information and time, 13.0 percent - arrival of "spam" to e-mail, 9.3 percent the low speed of connection in the Internet.

Figure 3.6
Structure of problems encountered while connecting to Internet, as % to total

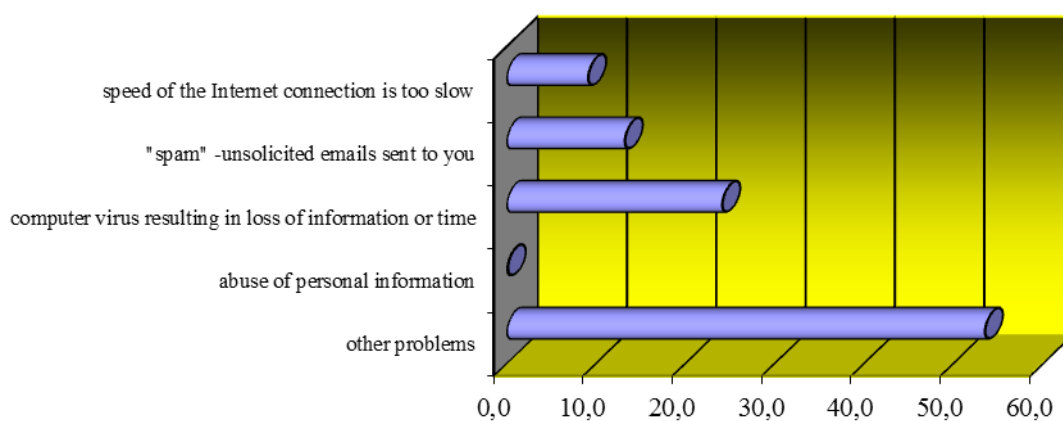


Table 3.6 Security measures and problems while connecting to Internet

Indicators	2012	2013	2014	2015	2016	2017
Proportion of computers supplied with virus cheking program while accessing Internet, in percent	70.8	76.2	78.8	81.2	82.1	83.6
Proportion of Internet users encountered problems while using Internet in total member of Internet users, in percent	42.3	39.4	36.7	35.2	34.7	34.2
Distribution of main problems encountered while using Internet by population, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>computer virus resulting in loss of information or time</i>	<i>26.0</i>	<i>25.2</i>	<i>25.5</i>	<i>24.8</i>	<i>24.1</i>	<i>23.8</i>
<i>abuse of personal information</i>	<i>0.0</i>	<i>0.0</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>
<i>"spam" – unsolicited emails sent to address of user</i>	<i>12.2</i>	<i>12.8</i>	<i>13.7</i>	<i>13.4</i>	<i>13.2</i>	<i>13.0</i>
<i>low- speed of Internet connection</i>	<i>10.5</i>	<i>10.1</i>	<i>9.9</i>	<i>9.6</i>	<i>9.1</i>	<i>9.3</i>
<i>other problems</i>	<i>51.3</i>	<i>51.9</i>	<i>50.8</i>	<i>52.1</i>	<i>53.5</i>	<i>53.8</i>

3.7 E-skills

Acquisition of e-skills has a serious impact on raising the abilities in this area. The statistical observation have shown that, 72.8 percent of computer users are persons having E-skills on a certain level.

93.3 percent of computer users are able to use *Microsoft Word*, 56.5 percent *Microsoft Excel* standard applied program package. 17.9 percent of internet users have been able to use search engine to find information and 16.9 percent – had skills in sending e-mails.

Figure 3.7
Distribution of computer users by ability to use applied program packages,
as % to total

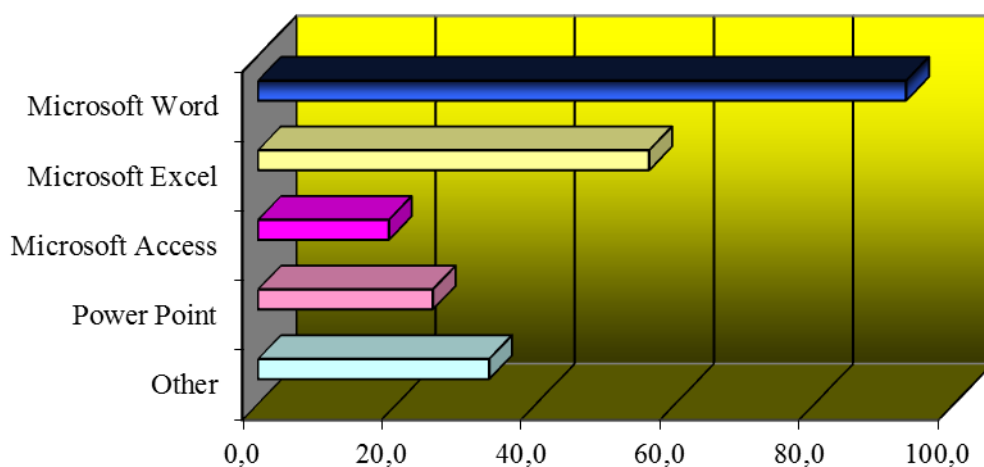
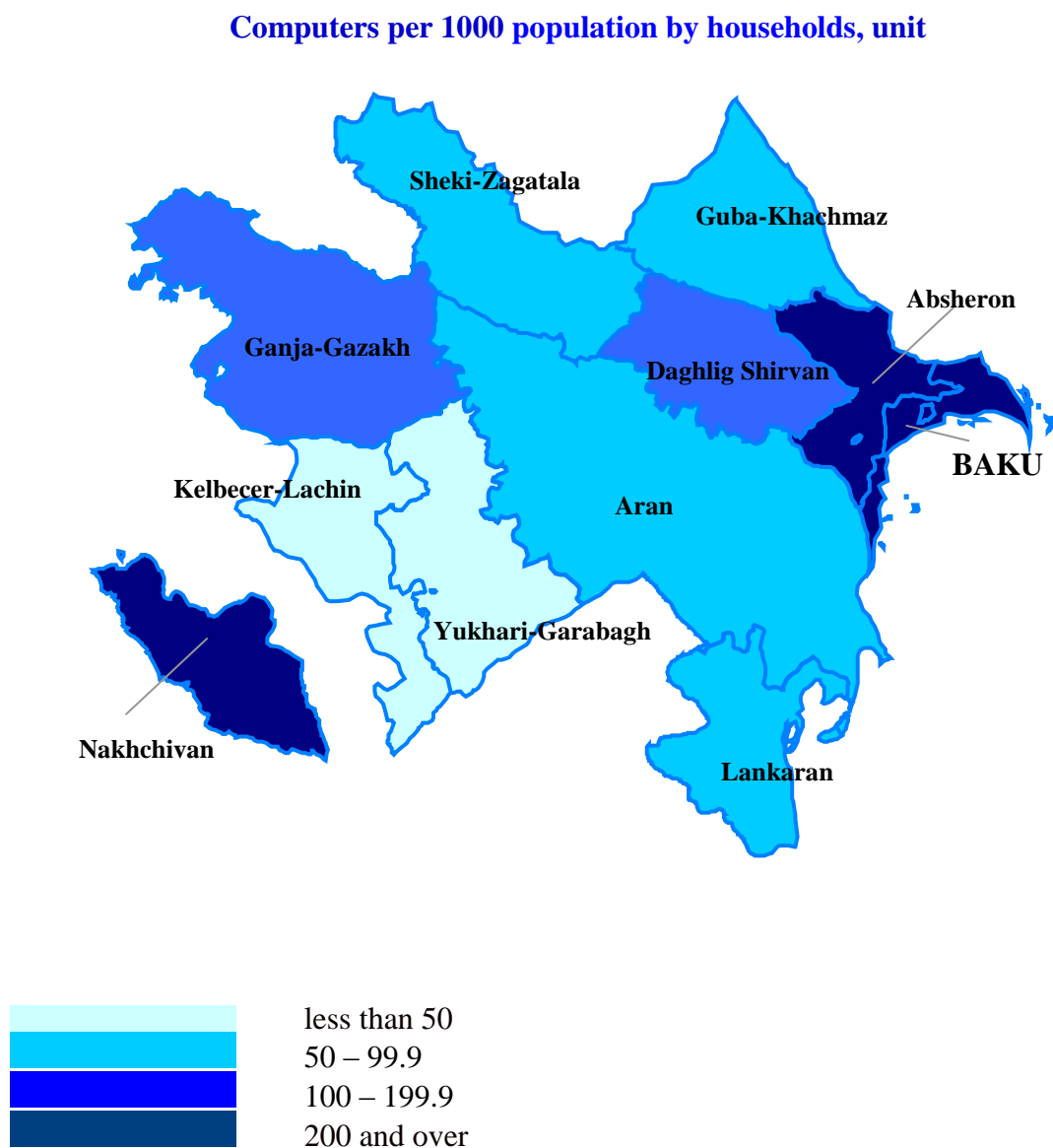


Table 3.7 E-skills

Indicators	2012	2013	2014	2015	2016	2017
Proportion of computer users attended in courses, in percent	70.1	71.5	70.8	72.1	72.6	72.8
Distribution of computer users by use of applied program packages, in percent						
<i>Microsoft Word</i>	91.9	92.1	92.3	92.9	93.1	93.3
<i>Microsoft Excel</i>	50.2	54.1	55.3	56.1	56.2	56.5
<i>Microsoft Access</i>	16.2	17.8	18.1	18.6	18.8	19.5
<i>Power Point</i>	21.3	23.6	24.5	25.0	25.1	25.5
<i>other</i>	33.1	34.1	35.5	35.9	33.2	32.8
Distribution of computer users related activities, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>copying or moving a file or folder</i>	20.0	19.5	19.6	20.1	20.3	20.8
<i>using a copy and paste tools to duplicate or move information within a document</i>	21.0	21.7	21.8	21.4	21.5	21.8
<i>using basic arithmetic formulas in a spreadsheet</i>	14.8	14.7	14.5	15.1	15.8	16.3
<i>compressing files</i>	16.1	16.4	16.6	17.2	16.8	17.1
<i>writing a computer program using a specialized programming language</i>	8.9	8.9	9.0	9.0	8.8	9.1
<i>other</i>	19.2	18.8	18.5	17.2	16.8	14.9
Distribution of Internet related activities, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>using a search engine to find information</i>	17.4	17.7	17.3	17.5	17.7	17.9
<i>sending e-mails with attached files</i>	18.1	17.8	17.2	17.0	16.8	16.9
<i>posting messages to chatrooms, newsgroups or an online discussion forum</i>	20.4	20.5	21.2	21.8	22.2	22.3
<i>using the Internet to make telephone calls</i>	16.4	16.5	16.8	16.6	16.8	16.9
<i>using peer-to-peer file sharing for exchanging movies, music, etc.</i>	20.2	20.1	20.3	20.2	19.7	19.3
<i>creating a web page</i>	7.1	6.9	6.8	6.6	6.5	6.6
<i>other activity</i>	0.4	0.5	0.4	0.3	0.3	0.1
Distribution of acquisition (where and how) of E-skills , as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>educational institutions</i>	29.8	28.6	27.4	28.1	27.8	27.8
<i>training courses in education center</i>	12.3	13.1	12.7	12.5	12.5	12.3
<i>vocational training courses</i>	4.8	4.7	4.5	4.6	4.7	5.0
<i>self-study using books, cd-roms, etc</i>	12.3	12.8	13.7	13.2	13.6	13.4
<i>self-study in the sense of learning-by-doing</i>	31.6	31.5	31.8	32.1	31.7	31.9
<i>informal assistance of colleagues, relatives, friends</i>	9.2	9.3	9.9	9.5	9.7	9.6

Figure 3.8



3.8 Number of fixed telephone sets and mobile cellular subscribers, 2016

<i>Economic regions</i>	<i>Fixed telephone sets, 1000 units</i>	<i>Mobile cellular subscribers, 1000 subscribers</i>
Total	1452.9	10189.0
urban	1167.4	7132.3
rural	285.5	3056.7
Baku city	702.2	4450.5
Absheron	121.9	1068.4
Ganja-Gazakh	147.5	984.5
Sheki-Zagatala	85.5	371.7
Lankaran	83.7	564.4
Guba-Khachmaz	45.6	329.8
Aran	150.3	1527.2
Yukhari-Garabagh	13.5	232.9
Daghligh Shirvan	30.0	199.1
Nakhchivan Autonomous Republic	74.7	460.5

3.8 Number of fixed telephone sets and mobile cellular subscribers, 2017

<i>Economic regions</i>	<i>Fixed telephone sets 1000 units</i>	<i>Mobile cellular subscribers, 1000 subscribers</i>
Total	1 455.5	10 127.0
urban	1163.3	7 088.9
rural	292.2	3 038.1
Baku city	704.6	4 422.9
Absheron	126.6	1 062.0
Ganja-Gazakh	149.9	978.6
Sheki-Zagatala	83.4	369.5
Lankaran	81.0	561.1
Guba-Khachmaz	46.8	327.8
Aran	152.5	1 518.1
Yukhari-Garabagh	13.2	231.5
Daghligh Shirvan	30.3	197.8
Nakhchivan Autonomous Republic	67.2	457.7

3.9 Fixed telephone sets and mobile cellular subscribers per 100 inhabitants, 2016

<i>Economic regions</i>	<i>Fixed telephone sets , unit</i>	<i>Mobile cellular subscribers</i>
Total	15	106
urban	23	139
rural	6	68
Baku city	31	198
Absheron	22	191
Ganja-Gazakh	12	78
Sheki-Zagatala	14	61
Lankaran	9	62
Guba-Khachmaz	8	62
Aran	8	77
Yukhari-Garabagh	3	54
Daghligh Shirvan	10	64
Nakhchivan Autonomous Republic	17	103

3.9 Fixed telephone sets and mobile cellular subscribers per 100 inhabitants, 2017

<i>Economic regions</i>	<i>Fixed telephone sets, unit</i>	<i>Mobile cellular subscribers</i>
Total	15	104
urban	22	137
rural	6	66
Baku city	31	195
Absheron	22	187
Ganja-Gazakh	12	77
Sheki-Zagatala	14	60
Lankaran	9	60
Guba-Khachmaz	9	60
Aran	8	76
Yukhari-Garabagh	2	53
Daghligh Shirvan	10	63
Nakhchivan Autonomous Republic	15	101

3.10 Distribution of TV sets by types of receivers, as % to total, 2016

<i>Economic regions</i>	Total	of which:		
		aerial based TV	satellite TV	cable TV
Total	100.0	31.1	38.0	30.9
<i>urban</i>	100.0	19.4	22.0	58.6
<i>rural</i>	100.0	44.2	55.8	0.0
Baku city	100.0	25.7	14.8	59.5
Absheron	100.0	30.4	16.2	53.4
Ganja-Gazakh	100.0	26.8	35.3	37.9
Sheki-Zagatala	100.0	37.2	43.2	19.6
Lankaran	100.0	39.2	45.0	15.8
Guba-Khachmaz	100.0	44.0	48.4	7.6
Aran	100.0	22.4	58.3	19.3
Yukhari-Garabagh	100.0	30.5	58.0	11.5
Daghligh Shirvan	100.0	28.4	63.4	8.2
Nakhchivan Autonomus Republic	100.0	45.0	52.3	2.7

3.10 Distribution of TV sets by types of receivers, as% to total, 2017

<i>Economic regions</i>	Total	of which:		
		aerial based TV	satellite TV	cable TV
Total	100.0	29.5	38.2	32.3
<i>urban</i>	100.0	18.3	22.7	59.0
<i>rural</i>	100.0	43.0	57.0	0.0
Baku city	100.0	25.5	15.1	59.4
Absheron	100.0	29.5	17.2	53.3
Ganja-Gazakh	100.0	26.5	35.7	37.8
Sheki-Zagatala	100.0	36.8	43.5	19.7
Lankaran	100.0	39.2	44.9	15.9
Guba-Khachmaz	100.0	43.9	48.2	7.9
Aran	100.0	22.0	58.5	19.5
Yukhari-Garabagh	100.0	29.6	58.8	11.6
Daghligh Shirvan	100.0	27.4	64.3	8.3
Nakhchivan Autonomous Republic	100.0	44.7	52.5	2.8

3.11 Computers in households, units, 2016

<i>Economic regions</i>	<i>Total</i>	of which	
		desktop computers	portable computers (plane table)
Total	1 516 193	837 302	678 891
urban	1 155 339	616 254	539 085
rural	360 854	221 048	139 806
Baku city	705 590	369 251	336 339
Absheron	163 749	92 103	71 646
Ganja-Gazakh	154 652	91 266	63 386
Sheki-Zagatala	54 583	23 444	31 139
Lankaran	97 036	45 214	51 822
Guba-Khachmaz	50 034	22 607	27 427
Aran	128 876	74 520	54 356
Yukhari-Garabagh	13 646	10 048	3 598
Daghligh Shirvan	33 356	19 258	14 098
Nakhchivan Autonomous Republic	114 671	89 591	25 080

3.11 Computers in households, units, 2017

<i>Economic regions</i>	<i>Total</i>	of which:	
		desktop computers	portable computers (plane table)
Total	1 537 420	847 215	690 205
urban	1 171 514	621 856	549 658
rural	365 906	225 359	140 547
Baku city	71 1268	371 927	339 341
Absheron	166 041	93 194	72 847
Ganja-Gazakh	156 817	92 346	64 471
Sheki-Zagatala	56 885	24 569	32 316
Lankaran	98 395	45 750	52 645
Guba-Khachmaz	52 272	23 722	28 550
Aran	130 681	75 402	55 279
Yukhari-Garabagh	15 374	11 014	4 360
Daghligh Shirvan	33 823	19 486	14 337
Nakhchivan Autonomous Republic	115 864	89 805	26 059

3.12 Distribution of computers in households by types and regions, as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	of which:	
		desktop computers	portable computers (plane table)
Total	100.0	100.0	100.0
<i>urban</i>	76.2	73.6	79.4
<i>rural</i>	23.8	26.4	20.6
Baku city	46.5	44.1	49.5
Absheron	10.8	11.0	10.6
Ganja-Gazakh	10.2	10.9	9.3
Sheki-Zagatala	3.6	2.8	4.6
Lankaran	6.4	5.4	7.6
Guba-Khachmaz	3.3	2.7	4.0
Aran	8.5	8.9	8.0
Yukhari-Garabagh	0.9	1.2	0.5
Daghligh Shirvan	2.2	2.3	2.1
Nakhchivan Autonomous Republic	7.6	10.7	3.7

3.12 Distribution of computers in households by types and regions, as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which:	
		desktop computers	portable computers (plane table)
Total	100.0	100.0	100.0
<i>urban</i>	76.2	73.4	79.6
<i>rural</i>	23.8	26.6	20.4
Baku city	46.3	43.9	49.2
Absheron	10.8	11.0	10.6
Ganja-Gazakh	10.2	10.9	9.3
Sheki-Zagatala	3.7	2.9	4.7
Lankaran	6.4	5.4	7.6
Guba-Khachmaz	3.4	2.8	4.1
Aran	8.5	8.9	8.0
Yukhari-Garabagh	1.0	1.3	0.6
Daghligh Shirvan	2.2	2.3	2.1
Nakhchivan Autonomous Republic	7.5	10.6	3.8

**3.13 Proportion of households with computers (by number of family members)
in percent, 2016**

<i>Economic regions</i>	<i>Total</i>	of which by number of family members:			
		1 member	2-3 members	4-5 members	6 and more family members
Total	63.1	52.5	71.2	72.1	35.8
urban	83.6	55.6	85.5	83.9	42.8
rural	38.2	24.2	41.8	35.4	17.9
Baku city	96.7	59.2	96.2	96.3	63.8
Absheron	91.5	59.2	79.9	88.6	47.5
Ganja-Gazakh	59.1	31.3	58.7	60.9	31.6
Sheki-Zagatala	41.3	32.6	48.8	50.1	21.2
Lankaran	59.1	31.9	61.2	58.5	22
Guba-Khachmaz	45.2	34.3	48.1	45.6	17.7
Aran	33.1	31.8	35.4	57.1	16.9
Yukhari-Garabagh	8.6	3.5	12.1	11.6	5.6
Daghligh Shirvan	55.6	16.3	55.8	50.3	23.6
Nakhchivan Autonomous Republic	96.5	64.5	97.2	75.6	66.2

**3.13 Proportion of households with computers (by number of family members),
in percent, 2017**

<i>Economic regions</i>	<i>Total</i>	of which by number of family members:			
		1 member	2-3 members	4-5 members	6 and more family members
Total	63.8	53.0	71.9	72.8	36.2
urban	84.8	56.2	86.4	84.7	43.2
rural	38.4	24.4	42.2	35.8	18.1
Baku city	97.6	59.8	97.2	97.3	64.4
Absheron	94.9	59.8	80.7	89.5	48.0
Ganja-Gazakh	59.5	31.6	59.3	61.5	31.9
Sheki-Zagatala	42.7	32.9	49.3	50.6	21.4
Lankaran	59.3	32.2	61.8	59.1	22.2
Guba-Khachmaz	46.9	34.6	48.6	46.1	17.9
Aran	33.2	32.1	35.8	57.7	17.1
Yukhari-Garabagh	9.6	3.6	12.2	11.7	5.7
Daghligh Shirvan	55.7	16.5	56.4	50.8	23.8
Nakhchivan Autonomous Republic	96.6	65.1	97.3	76.4	66.9

**3.14 Proportion of households with computer, (by average monthly income),
in percent 2016**

<i>Economic regions</i>	<i>Total</i>	Average monthly income:		
		less than 200 manats	200- 399 manats	400 manats and over
Total	63.1	5.5	39.6	78.5
urban	83.3	5.0	51.8	81.9
rural	38.6	6.1	16.9	29.6
Baku city	96.7	1.2	82.1	98.4
Absheron	91.5	19.2	55.1	85.2
Ganja-Gazakh	59.1	22.3	30.2	67.4
Sheki-Zagatala	41.3	1.8	15.4	33.2
Lankaran	59.1	3.8	21.2	61.8
Guba-Khachmaz	45.2	1.7	18.2	58.2
Aran	33.1	11.7	22.7	35.3
Yukhari-Garabagh	8.6	0.6	4.6	28.5
Daghligh Shirvan	55.6	2.0	15.8	73.7
Nakhchivan Autonomous Republic	96.5	31.3	76.4	98.2

**3.14 Proportion of households with computer, (by average monthly income),
in percent, 2017**

<i>Economic regions</i>	<i>Total</i>	Average monthly income:		
		less from 200 manats	up to 200- 399 manats	400 manats and more
Total	63.8	5.4	40.0	79.3
urban	84.8	4.9	52.3	82.7
rural	38.4	6.0	17.1	29.9
Baku city	97.6	1.3	82.9	98.5
Absheron	94.9	19.4	55.7	86.1
Ganja-Gazakh	59.5	22.5	30.5	68.1
Sheki-Zagatala	42.7	1.8	15.6	33.5
Lankaran	59.3	3.8	21.4	62.4
Guba-Khachmaz	46.9	1.8	18.4	58.8
Aran	33.2	11.8	22.9	35.7
Yukhari-Garabagh	9.6	0.6	4.6	28.8
Daghligh Shirvan	55.7	2.0	16.0	74.4
Nakhchivan Autonomous Republic	96.6	31.6	77.2	98.3

3.15 Distribution of computers in households by types, as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	of which:	
		desktop computers	portable computers (plane table)
<i>Total</i>	<i>100.0</i>	<i>55.2</i>	<i>44.8</i>
<i>urban</i>	<i>100.0</i>	<i>53.3</i>	<i>46.7</i>
<i>rural</i>	<i>100.0</i>	<i>61.3</i>	<i>38.7</i>
<i>Baku city</i>	<i>100.0</i>	<i>52.3</i>	<i>47.7</i>
<i>Absheron</i>	<i>100.0</i>	<i>56.2</i>	<i>43.8</i>
<i>Ganja-Gazakh</i>	<i>100.0</i>	<i>59.0</i>	<i>41.0</i>
<i>Sheki-Zagatala</i>	<i>100.0</i>	<i>43.0</i>	<i>57.0</i>
<i>Lankaran</i>	<i>100.0</i>	<i>46.6</i>	<i>53.4</i>
<i>Guba-Khachmaz</i>	<i>100.0</i>	<i>45.2</i>	<i>54.8</i>
<i>Aran</i>	<i>100.0</i>	<i>57.8</i>	<i>42.2</i>
<i>Yukhari-Garabagh</i>	<i>100.0</i>	<i>73.6</i>	<i>26.4</i>
<i>Daghlig Shirvan</i>	<i>100.0</i>	<i>57.7</i>	<i>42.3</i>
<i>Nakhchivan Autonomous Republic</i>	<i>100.0</i>	<i>78.1</i>	<i>21.9</i>

3.15 Distribution of computers in households by types, as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which:	
		desktop computers	portable computers (plane table)
<i>Total</i>	<i>100.0</i>	<i>55.1</i>	<i>44.9</i>
<i>urban</i>	<i>100.0</i>	<i>53.1</i>	<i>46.9</i>
<i>rural</i>	<i>100.0</i>	<i>61.6</i>	<i>38.4</i>
<i>Baku city</i>	<i>100.0</i>	<i>52.3</i>	<i>47.7</i>
<i>Absheron</i>	<i>100.0</i>	<i>56.1</i>	<i>43.9</i>
<i>Ganja-Gazakh</i>	<i>100.0</i>	<i>58.9</i>	<i>41.1</i>
<i>Sheki-Zagatala</i>	<i>100.0</i>	<i>43.2</i>	<i>56.8</i>
<i>Lankaran</i>	<i>100.0</i>	<i>46.5</i>	<i>53.5</i>
<i>Guba-Khachmaz</i>	<i>100.0</i>	<i>45.4</i>	<i>54.6</i>
<i>Aran</i>	<i>100.0</i>	<i>57.7</i>	<i>42.3</i>
<i>Yukhari-Garabagh</i>	<i>100.0</i>	<i>71.6</i>	<i>28.4</i>
<i>Daghlig Shirvan</i>	<i>100.0</i>	<i>57.6</i>	<i>42.4</i>
<i>Nakhchivan Autonomous Republic</i>	<i>100.0</i>	<i>77.5</i>	<i>22.5</i>

3.16 Computers per 1000 inhabitants by households, units, 2016

<i>Economic regions</i>	<i>Total</i>	of which:	
		desktop computers	portable computers (plane table)
Total	156.5	86.4	70.1
<i>urban</i>	225.0	120.0	105.0
<i>rural</i>	79.2	48.5	30.7
Baku city	314.2	164.4	149.8
Absheron	290.9	163.6	127.3
Ganja-Gazakh	122.2	72.1	50.1
Sheki-Zagatala	89.2	38.3	50.9
Lankaran	105.7	49.3	56.5
Guba-Khachmaz	92.9	42.0	50.9
Aran	64.9	37.5	27.4
Yukhari-Garabagh	20.4	15.0	5.4
Daghligh Shirvan	106.9	61.7	45.2
Nakhchivan Autonomous Republic	255.3	199.5	55.8

3.16 Computers per 1000 inhabitants by households, units, 2017

<i>Economic regions</i>	<i>Total</i>	of which:	
		desktop computers	portable computers (plane table)
Total	157.2	86.6	70.6
<i>urban</i>	226.4	120.2	106.2
<i>rural</i>	79.5	49.0	30.5
Baku city	314.4	164.4	150.0
Absheron	292.3	164.1	128.2
Ganja-Gazakh	123.0	72.4	50.6
Sheki-Zagatala	92.2	39.8	52.4
Lankaran	106.1	49.4	56.7
Guba-Khachmaz	96.1	43.6	52.5
Aran	65.1	37.5	27.6
Yukhari-Garabagh	22.7	16.2	6.5
Daghligh Shirvan	107.3	61.8	45.5
Nakhchivan Autonomous Republic	255.9	198.3	57.6

3.17 Proportion of home internet access, in percent, 2016

<i>Economic regions</i>	<i>Total</i>	of which by number of family members:			
		1 member	2-3 members	4-5 members	6 and more family members
Total	77.2	69.8	82.0	82.5	61.5
urban	81.8	75.7	84.8	86.1	69.2
rural	71.9	61.6	77.9	78.5	54.3
Baku city	96.9	75.5	98.1	99.4	97.7
Absheron	86.6	64.5	79.3	88.1	63.9
Ganja-Gazakh	79.2	59.1	72.5	67.8	45.7
Sheki-Zagatala	72.3	58.6	73.1	68.3	47.3
Lankaran	70.7	59.9	66.5	67.6	46.3
Guba-Khachmaz	71.0	51.2	67.1	67.7	45.8
Aran	67.6	43.5	51.3	64.6	43.8
Yukhari-Garabagh	58.4	29.6	42.2	57.5	49.4
Daghligh Shirvan	70.8	32.2	67.8	71.6	43.1
Nakhchivan Autonomous Republic	97.0	73.2	98.5	95.8	73.9

3.17 Proportion of home internet access, in percent, 2017

<i>Economic regions</i>	<i>Total</i>	of which by number of family members:			
		1 member	2-3 members	4-5 members	6 and more family members
Total	77.8	69.9	81.8	82.6	61.7
urban	82.3	75.6	84.9	86.2	69.3
rural	72.5	63.5	76.4	78.4	54.4
Baku city	78.2	75.3	98.0	99.2	97.7
Absheron	87.4	64.6	79.5	88.4	64.2
Ganja-Gazakh	82.0	59.4	72.9	68.3	44.7
Sheki-Zagatala	77.6	59.5	74.4	69.4	48.4
Lankaran	77.1	60.6	66.9	68.5	46.7
Guba-Khachmaz	78.4	52.3	68.7	68.5	47.5
Aran	74.1	44.6	51.9	65.8	46.5
Yukhari-Garabagh	62.5	31.3	43.1	60.0	50.3
Daghligh Shirvan	71.2	32.6	67.0	72.7	43.5
Nakhchivan Autonomous Republic	97.1	72.1	98.3	95.7	71.2

3.18 Distribution of equipments by types of Internet connection, as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	of which by types of connection means:		
		broadband (DSL etc.)	mobile telephone	other (ISDN etc.)
<i>Total</i>	<i>100.0</i>	<i>71.0</i>	<i>25.3</i>	<i>3.7</i>
<i>urban</i>	<i>100.0</i>	<i>74.3</i>	<i>23.2</i>	<i>2.5</i>
<i>rural</i>	<i>100.0</i>	<i>67.2</i>	<i>27.5</i>	<i>5.3</i>
<i>Baku city</i>	<i>100.0</i>	<i>75.3</i>	<i>24.6</i>	<i>0.1</i>
<i>Absheron</i>	<i>100.0</i>	<i>70.1</i>	<i>25.6</i>	<i>4.3</i>
<i>Ganja-Gazakh</i>	<i>100.0</i>	<i>64.9</i>	<i>30.2</i>	<i>4.9</i>
<i>Sheki-Zagatala</i>	<i>100.0</i>	<i>57.0</i>	<i>37.1</i>	<i>5.9</i>
<i>Lankaran</i>	<i>100.0</i>	<i>53.9</i>	<i>41.5</i>	<i>4.6</i>
<i>Guba-Khachmaz</i>	<i>100.0</i>	<i>47.8</i>	<i>44.4</i>	<i>7.8</i>
<i>Aran</i>	<i>100.0</i>	<i>62.5</i>	<i>33.7</i>	<i>3.8</i>
<i>Yukhari-Garabagh</i>	<i>100.0</i>	<i>60.3</i>	<i>31.7</i>	<i>8.0</i>
<i>Daghligh Shirvan</i>	<i>100.0</i>	<i>55.7</i>	<i>39.4</i>	<i>4.9</i>
<i>Nakhchivan Autonomous Republic</i>	<i>100.0</i>	<i>70.2</i>	<i>25.3</i>	<i>4.5</i>

3.18 Distribution of equipments by types of Internet connection, as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which by types of connection means:		
		broadband (DSL etc.)	mobile telephone	other (ISDN etc.)
<i>Total</i>	<i>100.0</i>	<i>71.1</i>	<i>25.4</i>	<i>3.5</i>
<i>urban</i>	<i>100.0</i>	<i>74.4</i>	<i>23.4</i>	<i>2.2</i>
<i>rural</i>	<i>100.0</i>	<i>67.1</i>	<i>27.8</i>	<i>5.1</i>
<i>Baku city</i>	<i>100.0</i>	<i>75.1</i>	<i>24.8</i>	<i>0.1</i>
<i>Absheron</i>	<i>100.0</i>	<i>70.0</i>	<i>25.8</i>	<i>4.2</i>
<i>Ganja-Gazakh</i>	<i>100.0</i>	<i>65.6</i>	<i>30.1</i>	<i>4.3</i>
<i>Sheki-Zagatala</i>	<i>100.0</i>	<i>57.5</i>	<i>37.2</i>	<i>5.3</i>
<i>Lankaran</i>	<i>100.0</i>	<i>55.2</i>	<i>40.5</i>	<i>4.3</i>
<i>Guba-Khachmaz</i>	<i>100.0</i>	<i>49.0</i>	<i>44.5</i>	<i>6.5</i>
<i>Aran</i>	<i>100.0</i>	<i>64.3</i>	<i>32.3</i>	<i>3.4</i>
<i>Yukhari-Garabagh</i>	<i>100.0</i>	<i>63.4</i>	<i>29.6</i>	<i>7.0</i>
<i>Daghligh Shirvan</i>	<i>100.0</i>	<i>56.5</i>	<i>39.2</i>	<i>4.3</i>
<i>Nakhchivan Autonomous Republic</i>	<i>100.0</i>	<i>70.2</i>	<i>25.4</i>	<i>4.4</i>

3.19 Reasons of unavailability of home Internet access, as % to total, 2016

<i>Economic regions</i>	<i>Computer equipment is expensive</i>	<i>Lack of skills</i>	<i>No need</i>	<i>Access charge is high</i>	<i>Lack of technical facilities in the territory</i>	<i>Other reasons</i>
Total	40.3	23.1	11.4	7.7	0.9	16.6
urban	35.5	21.1	10.3	6.6	0.8	25.7
rural	46.6	25.7	12.8	9.1	1.1	4.7
Baku city	42.7	11.6	12.7	7.2	1.1	24.7
Absheron	42.4	9.1	10.8	3.3	0.2	34.2
Ganja-Gazakh	29.9	43.0	5.8	5.4	0.8	15.1
Sheki-Zagatala	33.4	22.8	19.0	17.4	0.8	6.6
Lankaran	46.5	15.3	8.0	14.7	1.1	14.4
Guba-Khachmaz	46.3	23.6	19.1	5.4	1.9	3.7
Aran	42.2	28.8	13.4	5.9	0.8	8.9
Yukhari-Garabagh	56.3	17.7	12.6	8.2	1.2	4.0
Daghlig Shirvan	30.1	36.7	3.3	13.4	0.5	16.0
Nakhchivan Autonomous Republic	21.4	36.6	3.1	2.7	0.4	35.8

3.19 Reasons of unavailability of home Internet access, as % to total, 2017

<i>Economic regions</i>	<i>Computer equipment is expensive</i>	<i>Lack of skills</i>	<i>No need</i>	<i>Access charge is high</i>	<i>Lack of technical facilities in the territory</i>	<i>Other reasons</i>
Total	40.0	22.9	11.3	7.6	0.9	17.3
urban	35.5	21.1	10.3	6.6	0.8	25.7
rural	45.6	25.2	12.5	8.9	1.1	6.7
Baku city	42.3	11.5	12.6	7.1	1.1	25.4
Absheron	42.0	9.1	10.7	3.3	0.2	34.7
Ganja-Gazakh	29.7	42.6	5.7	5.3	0.8	15.9
Sheki-Zagatala	33.1	22.6	18.8	17.3	0.8	7.4
Lankaran	46.0	15.1	7.9	14.5	1.1	15.4
Guba-Khachmaz	45.9	23.4	18.9	5.4	1.9	4.5
Aran	41.8	28.5	13.3	5.9	0.8	9.7
Yukhari-Garabagh	55.8	17.5	12.5	8.1	1.2	4.9
Daghlig Shirvan	29.8	36.4	3.3	13.2	0.5	16.8
Nakhchivan Autonomous Republic	21.2	36.3	3.1	2.7	0.4	36.3

3.20 Frequency of computer use by population (within the last 3 months), as % to total, 2016

<i>İqtisadi rayonlar</i>	<i>Cəmi</i>	o cümlədən:			
		everyday	at least once a week	at least once a month	once within the last 3 months
Total	100.0	80.3	16.2	2.7	0.8
urban	100.0	82.8	14.9	1.6	0.7
rural	100.0	74.5	19.0	5.4	1.1
Baku city	100.0	95.3	4.0	0.7	0.0
Absheron	100.0	86.4	13.0	0.5	0.1
Ganja-Gazakh	100.0	83.1	14.7	1.9	0.3
Sheki-Zagatala	100.0	71.4	21.2	5.5	1.9
Lankaran	100.0	73.6	22.2	2.2	2.0
Guba-Khachmaz	100.0	64.1	28.7	6.3	0.9
Aran	100.0	54.9	35.6	7.6	1.9
Yukhari-Garabagh	100.0	80.0	12.7	5.5	1.8
Daghligh Shirvan	100.0	56.7	33.5	9.8	0.0
Nakhchivan Autonomous Republic	100.0	88.4	10.0	0.7	0.9

3.20 Frequency of computer use by population (within the last 3 months), as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which:			
		everyday	at least once a week	at least once a month	once within the last 3 months
Total	100.0	80.6	16.0	2.7	0.7
urban	100.0	82.9	14.8	1.6	0.7
rural	100.0	75.3	18.8	5.3	0.6
Baku city	100.0	95.1	4.0	0.7	0.2
Absheron	100.0	86.4	12.9	0.5	0.2
Ganja-Gazakh	100.0	82.9	14.6	1.9	0.6
Sheki-Zagatala	100.0	71.8	21.0	5.4	1.8
Lankaran	100.0	75.6	22.0	2.2	0.2
Guba-Khachmaz	100.0	63.9	28.4	6.3	1.4
Aran	100.0	55.8	35.3	7.5	1.4
Yukhari-Garabagh	100.0	80.1	12.6	5.4	1.9
Daghligh Shirvan	100.0	56.2	33.2	9.7	0.9
Nakhchivan Autonomous Republic	100.0	88.5	9.9	0.7	0.9

3.21 Place of computer use (within the last 3 months), as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	of which:				
		home	workplace	educational institutions	friends or relatives	other
Total	100.0	56.1	19.8	21.0	1.5	1.6
urban	100.0	52.9	24.2	20.8	1.7	0.4
rural	100.0	63.7	9.6	21.6	1.1	4.0
Baku city	100.0	58.3	27.1	14.3	0.2	0.1
Absheron	100.0	56.0	25.0	16.6	1.7	0.7
Ganja-Gazakh	100.0	66.9	11.6	18.0	1.5	2.0
Sheki-Zagatala	100.0	48.8	12.5	28.1	3.9	6.7
Lankaran	100.0	52.0	12.0	33.9	1.8	0.3
Guba-Khachmaz	100.0	53.8	12.4	22.7	4.0	7.1
Aran	100.0	49.0	11.7	32.8	2.8	3.7
Yukhari-Garabagh	100.0	28.4	10.3	49.1	4.3	7.9
Daghligh Shirvan	100.0	55.7	15.4	25.3	2.7	0.9
Nakhchivan Autonomous Republic	100.0	55.5	30.4	13.1	0.7	0.3

3.21 Place of computer use (within the last 3 months), as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which:				
		home	workplace	educational institutions	friends or relatives	other
Total	100.0	56.3	20.0	21.2	1.4	1.1
urban	100.0	53.0	24.0	20.6	1.6	0.8
rural	100.0	63.9	10.6	22.5	0.8	2.2
Baku city	100.0	58.2	26.3	15.0	0.4	0.1
Absheron	100.0	56.6	25.0	16.7	1.5	0.2
Ganja-Gazakh	100.0	68.0	11.7	18.2	1.6	0.5
Sheki-Zagatala	100.0	49.0	12.4	30.3	3.1	5.2
Lankaran	100.0	52.8	12.1	34.1	0.7	0.3
Guba-Khachmaz	100.0	54.3	13.0	23.8	4.2	4.7
Aran	100.0	48.4	10.9	31.3	2.6	6.8
Yukhari-Garabagh	100.0	30.0	10.8	49.5	4.5	5.2
Daghligh Shirvan	100.0	55.8	15.3	25.6	2.8	0.5
Nakhchivan Autonomous Republic	100.0	55.8	30.4	13.0	0.6	0.2

3.22 Distribution of computer users by age groups, as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	of which by age groups:			
		under 24 years old	25-35 years old	36-64 years old	over 64 years old
Total	100.0	43.1	23.6	33.2	0.1
<i>urban</i>	100.0	37.0	23.7	39.2	0.1
<i>rural</i>	100.0	49.6	26.2	24.1	0.1
Baku city	100.0	41.5	25.9	32.4	0.2
Absheron	100.0	43.4	22.4	34.1	0.1
Ganja-Gazakh	100.0	45.7	24.1	30.1	0.1
Sheki-Zagatala	100.0	46.1	23.1	30.7	0.1
Lankaran	100.0	40.8	21.3	37.8	0.1
Guba-Khachmaz	100.0	41.7	20.7	37.5	0.1
Aran	100.0	47.3	21.0	31.6	0.1
Yukhari-Garabagh	100.0	31.3	31.2	37.5	0.0
Daghligh Shirvan	100.0	46.2	20.8	32.9	0.1
Nakhchivan Autonomous Republic	100.0	42.5	20.4	36.9	0.2

3.22 Distribution of computer users by age groups as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which by age groups:			
		under 24 years old	25-35 years old	36-64 years old	over 64 years old
Total	100.0	42.6	23.7	33.6	0.1
<i>urban</i>	100.0	36.4	23.8	39.7	0.1
<i>rural</i>	100.0	49.2	26.3	24.4	0.1
Baku city	100.0	40.1	25.9	33.8	0.2
Absheron	100.0	42.5	23.2	34.2	0.1
Ganja-Gazakh	100.0	46.0	24.2	29.7	0.1
Sheki-Zagatala	100.0	46.7	23.1	30.1	0.1
Lankaran	100.0	40.5	21.6	37.8	0.1
Guba-Khachmaz	100.0	40.7	21.2	38.0	0.1
Aran	100.0	46.8	21.3	31.8	0.1
Yukhari-Garabagh	100.0	31.2	31.4	37.4	0.0
Daghligh Shirvan	100.0	45.2	21.1	33.6	0.1
Nakhchivan Autonomous Republic	100.0	42.3	20.5	37.0	0.2

3.23 Distribution of computer users by educational attainments, as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	of which:		
		secondary education	post-secondary non-tertiary education	higher education
Total	100.0	58.9	18.0	23.1
urban	100.0	49.6	24.3	26.1
rural	100.0	72.9	8.6	18.6
Baku city	100.0	56.7	16.8	26.5
Absheron	100.0	37.6	36.2	26.2
Ganja-Gazakh	100.0	60.5	19.1	20.4
Sheki-Zagatala	100.0	67.9	16.3	15.8
Lankaran	100.0	67.2	18.4	14.4
Guba-Khachmaz	100.0	74.2	10.3	15.5
Aran	100.0	61.5	15.4	23.1
Yukhari-Garabagh	100.0	59.0	17.9	23.1
Daghligh Shirvan	100.0	62.9	15.1	22.0
Nakhchivan Autonomous Republic	100.0	44.0	18.9	37.1

3.23 Distribution of computer users by educational attainments, as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which:		
		secondary education	post-secondary non-tertiary education	higher education
Total	100.0	59.2	18.4	22.4
urban	100.0	49.8	24.8	25.4
rural	100.0	73.3	8.8	17.9
Baku city	100.0	57.3	18.5	24.2
Absheron	100.0	37.5	36.4	26.1
Ganja-Gazakh	100.0	61.1	18.4	20.5
Sheki-Zagatala	100.0	68.2	16.2	15.6
Lankaran	100.0	67.4	18.1	14.5
Guba-Khachmaz	100.0	73.3	10.6	16.1
Aran	100.0	60.6	15.5	23.9
Yukhari-Garabagh	100.0	58.8	18.0	23.2
Daghligh Shirvan	100.0	62.8	15.3	21.9
Nakhchivan Autonomous Republic	100.0	43.9	19.1	37.0

3.24 Frequency of Internet use (within the last 3 months), as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	<i>of which:</i>			
		<i>everyday</i>	<i>at least once a week</i>	<i>at least once a month</i>	<i>once within the last 3 months</i>
Total	100.0	81.6	16.1	1.6	0.7
urban	100.0	84.5	14.0	1.2	0.3
rural	100.0	78.0	18.6	2.2	1.2
Baku city	100.0	92.3	7.1	0.5	0.1
Absheron	100.0	84.5	13.9	1.5	0.1
Ganja-Gazakh	100.0	77.6	17.7	2.7	2.0
Sheki-Zagatala	100.0	74.1	19.2	5.1	1.6
Lankaran	100.0	75.2	21.4	1.9	1.5
Guba-Khachmaz	100.0	83.8	14.0	1.2	1.0
Aran	100.0	68.5	28.8	2.4	0.3
Yukhari-Garabagh	100.0	70.7	14.6	8.5	6.2
Daghligh Shirvan	100.0	65.2	31.3	1.5	2.0
Nakhchivan Autonomous Republic	100.0	86.9	12.6	0.4	0.1

3.24 Frequency of Internet use (within the last 3 months), as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	<i>of which:</i>			
		<i>everyday</i>	<i>at least once a week</i>	<i>at least once a month</i>	<i>once within the last 3 months</i>
Total	100.0	81.7	15.9	1.5	0.9
urban	100.0	84.7	13.9	1.1	0.3
rural	100.0	78.1	18.4	2.0	1.5
Baku city	100.0	92.4	7.0	0.4	0.2
Absheron	100.0	84.7	14.0	1.2	0.1
Ganja-Gazakh	100.0	77.8	17.5	2.6	2.1
Sheki-Zagatala	100.0	74.5	19.2	4.9	1.4
Lankaran	100.0	75.4	21.2	1.7	1.7
Guba-Khachmaz	100.0	83.5	13.7	1.2	1.6
Aran	100.0	68.6	28.4	2.4	0.6
Yukhari-Garabagh	100.0	71.1	15.7	8.4	4.8
Daghligh Shirvan	100.0	65.7	30.8	1.8	1.7
Nakhchivan Autonomous Republic	100.0	86.9	12.4	0.4	0.3

3.25 Place of Internet use (within last 3 months), as % to total, 2016

<i>Economic regions</i>	Home	Internet cafe	workplace	Educational institutions	Library	Other
Total	68.0	3.6	17.3	8.2	0.5	2.4
<i>urban</i>	61.8	4.9	22.0	8.5	0.5	2.3
<i>rural</i>	75.6	2.0	11.5	7.8	0.5	2.6
Baku city	64.3	1.7	24.1	8.4	0.5	1.0
Absheron	63.2	3.8	24.3	8.0	0.6	0.1
Ganja-Gazakh	72.8	3.9	12.6	8.8	0.2	1.7
Sheki-Zagatala	72.5	4.3	14.9	7.5	0.8	0.0
Lankaran	69.9	4.7	15.2	9.6	0.4	0.2
Guba-Khachmaz	68.3	5.5	9.8	6.4	0.0	10.0
Aran	70.2	5.2	10.5	8.2	0.3	5.6
Yukhari-Garabagh	73.2	7.3	7.3	6.1	0.0	6.1
Daghligh Shirvan	71.7	4.5	14.1	7.1	0.5	2.1
Nakhchivan Autonomous Republic	68.0	3.5	16.7	7.4	1.3	3.1

3.25 Place of Internet use (within last 3 months), as % to total, 2017

<i>Economic regions</i>	Home	Internet cafe	workplace	Educational institutions	Library	Other
Total	68.5	3.4	17.6	8.0	0.6	1.9
<i>urban</i>	62.3	4.6	22.4	8.3	0.6	1.8
<i>rural</i>	76.1	1.9	11.7	7.6	0.6	2.1
Baku city	66.1	0.9	24.4	7.9	0.6	0.1
Absheron	63.5	3.9	24.5	7.3	0.7	0.1
Ganja-Gazakh	72.9	4.0	12.9	8.5	0.4	1.3
Sheki-Zagatala	72.0	4.1	15.3	7.6	1.0	0.0
Lankaran	68.8	4.9	15.4	9.8	0.4	0.7
Guba-Khachmaz	68.6	5.5	9.8	6.4	0.0	9.7
Aran	70.3	5.2	11.1	8.3	0.3	4.8
Yukhari-Garabagh	72.3	7.2	8.4	6.0	0.0	6.1
Daghligh Shirvan	71.2	4.0	14.4	7.3	0.8	2.3
Nakhchivan Autonomous Republic	68.2	3.4	16.8	7.5	1.4	2.7

3.26 Distribution of Internet users by age groups, in percent, 2016

<i>Economic regions</i>	<i>Total</i>	of which by age groups:			
		24 years old	25-35 years old	36-64 years old	over 64 years old
Total	100.0	42.5	25.0	32.4	0.1
urban	100.0	38.7	25.6	35.6	0.1
rural	100.0	43.7	24.1	32.1	0.1
Baku city	100.0	40.5	27.8	31.5	0.2
Absheron	100.0	47.2	22.4	30.3	0.1
Ganja-Gazakh	100.0	46.8	22.5	30.6	0.1
Sheki-Zagatala	100.0	45.9	21.6	32.5	0.0
Lankaran	100.0	37.9	26.3	35.7	0.1
Guba-Khachmaz	100.0	41.1	22.9	36.0	0.0
Aran	100.0	42.7	24.6	32.6	0.1
Yukhari-Garabagh	100.0	39.0	30.5	30.5	0.0
Daghligh Shirvan	100.0	45.4	22.7	31.8	0.1
Nakhchivan Autonomous Republic	100.0	38.8	25.1	35.9	0.2

3.26 Distribution of Internet users by age groups, in percent, 2017

<i>Economic regions</i>	<i>Total</i>	of which by age groups:			
		24 years old	25-35 years old	36-64 years old	over 64 years old
Total	100.0	41.9	25.2	32.8	0.1
urban	100.0	39.1	25.4	35.4	0.1
rural	100.0	43.2	24.3	32.4	0.1
Baku city	100.0	40.1	27.8	31.9	0.2
Absheron	100.0	46.7	22.6	30.6	0.1
Ganja-Gazakh	100.0	46.2	22.7	31.0	0.1
Sheki-Zagatala	100.0	44.9	22.6	32.5	0.0
Lankaran	100.0	37.0	26.4	36.5	0.1
Guba-Khachmaz	100.0	39.3	23.7	37.0	0.0
Aran	100.0	42.2	24.8	32.9	0.1
Yukhari-Garabagh	100.0	39.2	30.4	30.4	0.0
Daghligh Shirvan	100.0	44.8	23.0	32.1	0.1
Nakhchivan Autonomous Republic	100.0	38.2	25.3	36.3	0.2

3.27 Distribution of Internet users by educational attainment, as % to total, 2016

<i>Economic regions</i>	<i>Total</i>	of which:		
		secondary education	post-secondary non-tertiary education	higher education
Total	100.0	61.4	18.6	20.0
<i>urban</i>	100.0	58.2	18.3	23.5
<i>rural</i>	100.0	65.3	19.0	15.7
Baku city	100.0	64.8	19.7	15.5
Absheron	100.0	63.0	15.4	21.6
Ganja-Gazakh	100.0	64.4	15.9	19.7
Sheki-Zagatala	100.0	60.8	21.6	17.6
Lankaran	100.0	60.9	20.5	18.6
Guba-Khachmaz	100.0	63.4	19.8	16.8
Aran	100.0	63.1	17.7	19.2
Yukhari-Garabagh	100.0	65.9	11.0	23.1
Daghligh Shirvan	100.0	64.6	15.2	20.2
Nakhchivan Autonomous Republic	100.0	43.2	22.9	33.9

3.27 Distribution of Internet users by educational attainment, as % to total, 2017

<i>Economic regions</i>	<i>Total</i>	of which:		
		secondary education	post-secondary non-tertiary education	higher education
Total	100.0	59.8	18.9	21.3
<i>urban</i>	100.0	56.7	18.6	24.7
<i>rural</i>	100.0	63.6	19.3	17.1
Baku city	100.0	60.5	20.5	19.0
Absheron	100.0	62.5	15.5	22.0
Ganja-Gazakh	100.0	63.9	16.0	20.1
Sheki-Zagatala	100.0	59.2	22.0	18.8
Lankaran	100.0	60.0	20.7	19.3
Guba-Khachmaz	100.0	62.5	20.1	17.4
Aran	100.0	62.6	17.8	19.6
Yukhari-Garabagh	100.0	63.9	12.0	24.1
Daghligh Shirvan	100.0	63.6	15.2	21.2
Nakhchivan Autonomous Republic	100.0	43.4	22.5	34.1

3.28 Purposes of use of Internet network, as % to total, 2016

<i>Economic regions</i>	Search informa- tion	Com- munica- tion	Training and education	Downloadig game, image & listening to music	Ordering or selling goods and services	Interaction with public authorities ⁹
Total	30.4	29.1	6.8	18.3	1.3	14.1
urban	31.5	27.8	6.9	14.4	1.6	17.8
rural	29.0	30.7	6.7	23.1	1.0	9.5
Baku city	26.0	25.5	4.8	11.3	1.7	30.7
Absheron	32.2	24.2	6.1	22.4	1.8	13.3
Ganja-Gazakh	36.1	25.7	8.8	24.9	0.9	3.6
Sheki-Zagatala	30.6	33.3	9.8	19.6	1.2	5.5
Lankaran	25.7	41.4	8.8	16.9	0.6	6.6
Guba-Khachmaz	23.9	45.7	7.0	13.7	0.6	9.1
Aran	31.9	31.9	6.4	20.8	0.3	8.7
Yukhari-Garabagh	45.8	31.7	4.9	7.3	1.8	8.5
Daghligh Shirvan	38.4	31.8	3.5	17.7	1.5	7.1
Nakhchivan Autonomous Republic	31.8	27.8	9.2	23.1	2.9	5.2

3.28 Purposes of use of Internet network, as % to total, 2017

<i>Economic regions</i>	Search informa- tion	Com- munica- tion	Training and education	Downloadig game, image & listening to music	Ordering or selling goods and services	Interaction with public authorities
Total	29.7	29.6	7.0	17.6	1.4	14.7
urban	31.4	27.8	6.9	14.5	1.6	17.8
rural	27.7	31.8	7.1	21.4	1.1	10.9
Baku city	24.2	27.6	5.0	9.4	1.5	32.3
Absheron	31.9	24.3	6.1	22.5	1.8	13.4
Ganja-Gazakh	35.5	25.9	9.0	24.6	1.0	4.0
Sheki-Zagatala	29.4	33.7	10.2	19.2	1.6	5.9
Lankaran	25.7	40.6	9.0	17.1	0.8	6.8
Guba-Khachmaz	23.9	44.2	7.5	14.0	0.9	9.5
Aran	32.1	31.7	6.5	20.4	0.4	8.9
Yukhari-Garabagh	44.7	30.1	6.0	7.2	3.0	9.0
Daghligh Shirvan	37.9	31.3	4.0	17.2	2.0	7.6
Nakhchivan Autonomous Republic	31.9	27.9	9.4	22.3	3.1	5.4

⁹ Interaction with public authorities means using of web pages of the government bodies (getting, downloading and sending of the information) by population.

3.29 Acquisition of computer related skills and use of standard program packages, 2016

<i>Economic regions</i>	Proportion of computer users attended courses. in percent	Distribution of computer users by use of applied program packages. in percentage				
		<i>Microsoft Word</i>	<i>Microsoft Excel</i>	<i>Microsoft Access</i>	<i>Power Point</i>	<i>Other</i>
Total	72.6	93.1	56.2	18.8	25.1	33.2
<i>urban</i>	76.1	93.0	61.3	19.2	25.4	38.2
<i>rural</i>	67.4	93.3	48.4	18.1	24.8	25.9
Baku city	97.3	97.4	78.7	25.1	43.4	53.4
Absheron	70.0	96.6	60.9	21.7	9.9	19.6
Ganja-Gazakh	69.1	97.9	39.1	12.8	23.6	26.5
Sheki-Zagatala	65.0	89.3	46.5	12.3	11.6	21.4
Lankaran	78.2	89.4	46.3	5.1	10.2	16.3
Guba-Khachmaz	52.8	87.8	39.9	21.6	12.1	34.0
Aran	51.0	89.6	35.9	6.0	8.1	15.8
Yukhari-Garabagh	35.6	72.7	34.1	4.8	6.2	3.1
Daghligh Shirvan	65.8	96.5	58.2	12.8	18.4	36.9
Nakhchivan Autonomous Republic	70.4	96.9	92.4	82.7	74.4	76.8

3.29 Acquisition of computer related skills and use of standard program packages, 2017

<i>Economic regions</i>	Proportion of computer users attended courses. in percent	Distribution of computer users by use of applied program packages. in percentage				
		<i>Microsoft Word</i>	<i>Microsoft Excel</i>	<i>Microsoft Access</i>	<i>Power Point</i>	<i>Other</i>
Total	72.8	93.2	56.6	19.0	25.4	33.4
<i>urban</i>	76.3	93.1	61.6	19.3	25.7	38.7
<i>rural</i>	67.6	93.5	48.9	18.5	24.8	25.4
Baku city	97.3	97.9	84.4	26.9	48.4	61.0
Absheron	72.4	96.9	61.1	22.3	10.1	19.9
Ganja-Gazakh	70.7	97.9	40.0	13.2	23.7	26.3
Sheki-Zagatala	68.4	89.5	47.4	12.7	12.3	20.8
Lankaran	78.4	89.7	47.3	6.3	11.0	15.8
Guba-Khachmaz	56.4	88.0	40.7	21.7	12.2	32.8
Aran	55.1	89.8	36.4	6.2	8.5	14.7
Yukhari-Garabagh	39.3	77.3	36.1	6.4	6.4	3.9
Daghligh Shirvan	67.5	96.4	58.3	13.5	18.8	35.9
Nakhchivan Autonomous Republic	70.8	97.0	92.7	82.9	74.5	75.1

3.30 Computer users per 100 inhabitants

	2013	2014	2015	2016	2017
Total	62,0	67,8	69,9	70,8	71,7
Baku city (with settlements)	82.5	86.1	89.0	89.1	91.1
Absheron economic region	70.9	75.2	76.1	77.0	79.8
Khyzy region	42.2	51.5	52.6	56.5	62.1
Absheron region	66.9	72.4	73.6	75.1	77.3
Sumgait city	74.7	78.1	78.8	79.1	82.2
Ganja-Gazakh economic region	58.1	65.8	67.5	68.6	74.5
Ganja city	59.8	68.6	71.0	72.6	79.3
Gazakh region	58.1	66.4	68.5	69.2	74.8
Agstafa region	60.3	68.7	68.9	69.4	74.8
Tovuz region	60.5	69.1	70.7	70.9	75.7
Shamkir region	59.9	67.7	68.5	69.5	74.6
Gedabey region	43.8	49.2	51.3	54.6	63.4
Dashkasan region	51.9	57.4	58.6	59.3	66.4
Samukh region	51.4	59.5	61.1	62.4	69.1
Goygol region	60.7	65.3	67.8	68.1	73.8
Goranboy region	61.4	67.5	68.4	68.9	73.2
Naftalan city	56.3	67.5	69.1	69.6	74.8
Sheki-Zagatala economic region	55.3	62.5	64.4	65.0	70.1
Balaken region	55.6	63.3	65.1	65.7	70.9
Zagatala region	57.3	63.1	64.8	65.3	69.9
Gakh region	55.5	64.6	66.7	66.8	71.2
Sheki city	53.8	61.5	63.6	64.3	69.5
Oghuz region	51.9	58.3	60.4	61.2	67.1
Gabala region	56.6	63.4	65.1	65.8	71.3
Lankaran economic region	54.2	61.3	63.0	64.0	68.4
Astara region	51.0	58.3	59.7	60.6	65.1
Lankaran city	59.0	67.9	70.1	71.6	75.4
Lerik region	45.3	53.0	54.2	57.3	62.7
Yardymly region	51.1	56.2	57.6	58.8	63.8
Masally region	52.4	59.8	61.4	61.8	66.4
Jalilabad region	56.9	62.1	63.8	64.1	68.4

... continued

	2013	2014	2015	2016	2017
Guba-Khachmaz economic region	51.4	58.9	60.6	62.8	67.7
Gusar region	51.5	58.0	58.6	60.9	65.8
Khachmaz region	52.2	60.1	62.1	63.8	68.7
Guba region	50.3	58.1	60.0	62.7	67.8
Shabran region	53.8	59.9	61.8	63.6	68.1
Siyazan region	48.9	57.8	59.7	62.3	66.9
Aran economic region	48.2	55.3	57.6	59.0	64.3
Goychay region	46.6	53.2	55.4	56.8	63.2
Beylagan region	51.9	57.8	60.1	61.4	65.4
Agjabedi region	41.3	49.7	52.2	53.5	59.6
Barda region	51.2	59.3	61.8	63.1	67.4
Neftchala region	48.6	54.2	56.9	58.5	63.1
Bilasuvar region	48.8	55.6	58.1	59.1	64.8
Salyan region	49.1	56.2	58.6	60.3	65.5
Yevlakh city	48.9	56.1	58.3	59.8	64.6
Mingechevir city	52.9	58.7	61.0	62.8	67.7
Agdash region	47.9	55.8	57.8	59.7	64.2
Ujar region	42.7	49.5	52.0	53.5	59.6
Zardab region	48.1	55.3	57.7	59.3	64.3
Kurdamir region	47.9	54.2	56.8	58.4	63.9
Imishly region	50.1	57.3	59.7	60.4	65.6
Saatly region	45.6	52.8	55.1	57.2	62.5
Sabirabad region	52.0	59.8	61.6	61.8	66.8
Hajigabul region	44.8	51.4	52.9	54.7	59.9
Shirvan city	44.3	52.0	54.4	56.5	64.9
Yukhari-Garabagh economic region	44.4	50.2	51.8	52.6	57.4
Fizuli region	-	-	-	-	56.0
Agdam region	42.5	48.4	50.2	51.3	57.4
Tartar region	47.9	53.6	54.8	55.1	59.2
Daghligh Shirvan economic region	60.6	64.7	66.2	67.8	70.7
Gobustan region	52.1	60.2	61.2	63.1	67.8
Ismayilly region	61.9	65.6	66.7	68.3	70.8
Agsu region	61.7	65.3	66.3	67.8	70.1
Shamakhy region	58.0	65.5	67.9	69.5	72.4
Nakhchivan Autonomous Republic	69.6	72.3	75.1	75.4	76.5

3.31 Internet users per 100 inhabitants

	2013	2014	2015	2016	2017
Total	73.0	75.0	77.0	78.0	79.0
Baku city (with settlements)	87.7	87.8	89.2	89.4	91.4
Absheron economic region	82.8	83.9	85.7	85.9	87.8
Khyzy region	61.3	63.3	64.8	66.2	73.2
Absheron region	80.2	81.3	83.1	83.3	86.8
Sumgait city	85.4	86.5	88.3	88.4	89.1
Ganja-Gazakh economic region	74.8	76.1	78.6	79.6	84.9
Ganja city	83.2	85.1	88.3	88.7	88.8
Gazakh region	81.6	81.8	83.0	83.1	86.7
Agstafa region	68.8	70.1	72.1	74.1	83.5
Tovuz region	67.1	70.2	72.6	75.1	83.9
Shamkir region	76.9	77.0	79.4	79.9	86.8
Gedabey region	64.7	64.7	67.5	69.7	78.5
Dashkasan region	65.2	65.2	67.8	69.5	77.8
Samukh region	75.9	75.9	78.2	79.1	82.8
Goygol region	77.8	77.9	80.3	80.4	83.6
Goranboy region	66.5	68.8	71.1	71.8	80.5
Naftalan city	62.8	68.8	71.4	72.6	80.8
Sheki-Zagatala economic region	65.5	68.4	70.7	72.7	79.2
Balaken region	68.8	70.5	73.3	74.2	79.4
Zagatala region	67.7	70.5	72.7	74.8	79.4
Gakh region	63.8	66.2	68.6	70.3	76.8
Sheki city	63.5	66.9	69.1	71.6	80.2
Oghuz region	63.1	66.3	68.8	70.8	77.3
Gabala region	65.2	68.6	70.6	72.8	79.1
Lankaran economic region	64.8	66.7	68.7	70.7	77.8
Astara region	61.1	62.7	63.7	64.7	72.2
Lankaran city	74.6	76.2	78.5	81.0	86.8
Lerik region	52.2	53.1	55.6	59.3	68.6
Yardymly region	55.7	55.8	58.2	60.4	70.1
Masally region	63.3	66.4	68.3	69.7	77.2
Jalilabad region	65.4	67.5	69.5	71.4	77.7

... continued

	2013	2014	2015	2016	2017
Guba-Khachmaz economic region	63.9	68.1	70.2	71.9	79.1
Gusar region	73.0	73.3	74.7	75.9	82.6
Khachmaz region	61.3	63.7	69.6	71.8	78.7
Guba region	63.1	68.6	70.8	72.1	79.3
Shabran region	63.0	65.4	67.8	69.2	77.2
Siyazan region	58.4	61.2	63.3	66.1	74.5
Aran economic region	63.4	67.4	70.0	71.4	79.2
Goychay region	65.8	68.9	71.2	71.7	79.6
Beylagan region	62.9	66.8	69.7	71.7	78.6
Agjabedi region	62.6	66.1	68.2	69.7	78.3
Barda region	65.7	68.8	70.9	71.7	79.8
Neftchala region	62.1	65.3	67.8	69.3	76.6
Bilasuvur region	64.3	67.6	69.7	71.1	78.8
Salyan region	62.6	67.9	70.8	72.0	79.5
Yevlakh city	64.9	68.7	71.6	72.7	81.6
Mingechevir city	66.3	73.3	77.1	77.8	84.9
Agdash region	64.8	68.2	70.3	71.6	78.9
Ujar region	57.9	61.8	64.6	66.4	74.6
Zardab region	59.3	61.8	64.4	67.1	75.8
Kurdamir region	61.2	66.4	69.2	70.8	78.2
Imishly region	57.5	63.7	66.4	69.5	76.8
Saatly region	58.9	62.2	64.9	67.8	76.9
Sabirabad region	66.5	68.7	71.5	72.1	79.6
Hajigabul region	69.1	70.8	72.7	73.1	80.3
Shirvan city	66.1	73.6	76.4	78.1	85.2
Yukhari-Garabagh economic region	54.2	57.4	60.1	60.7	70.6
Fizuli region	-	-	-	-	69.8
Agdam region	52.8	56.7	58.6	59.1	70.7
Tartar region	56.8	58.7	63.0	63.8	71.4
Daghligh Shirvan economic region	61.8	66.1	68.6	69.9	79.3
Gobustan region	67.7	68.6	70.3	70.7	79.8
Ismayilly region	61.8	65.8	67.6	68.6	78.1
Agsu region	59.8	65.4	67.2	68.4	77.3
Shamakhy region	60.7	65.8	69.8	71.8	81.6
Nakhchivan Autonomous Republic	81.9	81.9	82.2	82.4	85.1

4. Access to ICT systems in enterprises

4.1 Availability of computers in enterprises

Generally, 263.2 thousand computers are available in 66.2% of legal entities (excluding agricultural enterprises and the trade enterprises with less than 5 employees) acting in the country. The number of enterprises using computers has increased from 12182 to 12266 compared to 2016 and the number of computers has increased by 0.7 percent.

During the last year, the highest level of increasing in computers was in public catering. So, at the beginning of 2018, 1.7 thsd. Computers were available in public catering institutions and the number of computers has increased by 8.5 percent compared to previous year.

During the year, number of computers in Baku city has increased by 0.1%, Absheron economic region – 0.3%, Sheki-Zagatala economic region – 0.5%, Gancha-Gazakh economic region – 0.6%, Yukhari Garabakh economic region - 0.8%, Daglig Shirvan 1.0%, Lankaran economic region – 1.2%, Aran economic region – 1.3%, Guba-Xachmaz economic regions – 1.5%, Kalbajar-Lachin economic region – 1.8%, Nakhchivan Autonomous Republic – 7.1%.

Figure 4.1
Distribution of enterprises using computers by number
of employees, as % to total

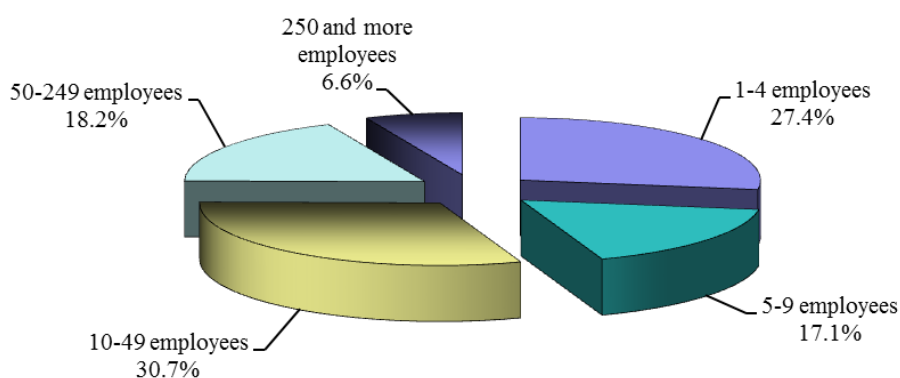


Table 4.1 Availability and use of computers in enterprises

Indicators	2012	2013	2014	2015	2016	2017
Number of computers, thousand units	200.9	226.7	253.6	260.3	261.4	263.2
Number of enterprises using computer, unit	10 826	11 526	11 899	12 100	12 182	12 266
<i>1-4 employees</i>	2 414	2 668	2 994	3 064	3 087	3 363
<i>5-9 employees</i>	1 638	1 799	1 875	1 914	1 944	2 101
<i>10-49 employees</i>	3 824	3 848	4 075	4 091	4 110	3 760
<i>50-249 employees</i>	2 285	2 501	2 185	2 222	2 237	2 236
<i>250 and more employees</i>	665	710	770	809	804	806
Proportion of enterprises using computers, in percent	57.1	57.8	58.6	63.1	65.3	66.9
<i>by enterprises with 1-4 employees</i>	33.5	33.8	33.9	34.3	35.9	37.1
<i>by enterprises with 5-9 employees</i>	45.3	51.3	52.3	52.6	54.6	55.7
<i>by enterprises with 10-49 employees</i>	73.6	74.7	75.4	76.1	77.8	78.3
<i>by enterprises with 50-249 employees</i>	100.0	100.0	100.0	100.0	100.0	100.0
<i>by enterprises with 250 and over employees</i>	100.0	100.0	100.0	100.0	100.0	100.0
Distribution of enterprises by ICT networks, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>wireless LAN</i>	22.7	22.3	26.1	24.2	23.8	25.4
<i>wire based LAN</i>	47.7	48.6	46.0	48.0	47.8	48.4
<i>intranet</i>	27.9	27.4	22.4	22.2	22.0	21.4
<i>extranet</i>	1.7	1.7	5.5	5.6	6.4	4.8
Distribution of enterprises using computers by number of employees, as% to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>1-4 employees</i>	22.3	23.7	25.1	25.2	25.3	27.4
<i>5-9 employees</i>	15.1	15.9	15.8	15.8	16.0	17.1
<i>10-49 employees</i>	35.4	32.5	34.2	34.0	33.7	30.7
<i>50-249 employees</i>	21.1	21.7	18.4	18.4	18.4	18.2
<i>250 and more employees</i>	6.1	6.2	6.5	6.6	6.6	6.6

4.2 Use of computers in enterprises

For the beginning of 2018, 294.0 thousand employees or more than 1.1 thousand employees compared to previous year have used computer and majority of them have been males. Number of computer users made approximately 39.3 percent of employees working in enterprises having computer and 30.7 percent of all employees working in acting enterprises.

As previous year, 86.2 percent of employees working for enterprises engaged in financial activity were computer user; less number of employees working in water supply, waste treatment and disposal, health and social services area have used of computer. 33.5 percent of employees working for enterprises acting in the capital of the country were computer users and made 57.0 percent of all users by country.

Figure 4.2

Share of computer users in total number of employees working in acting enterprises by regions, in percent

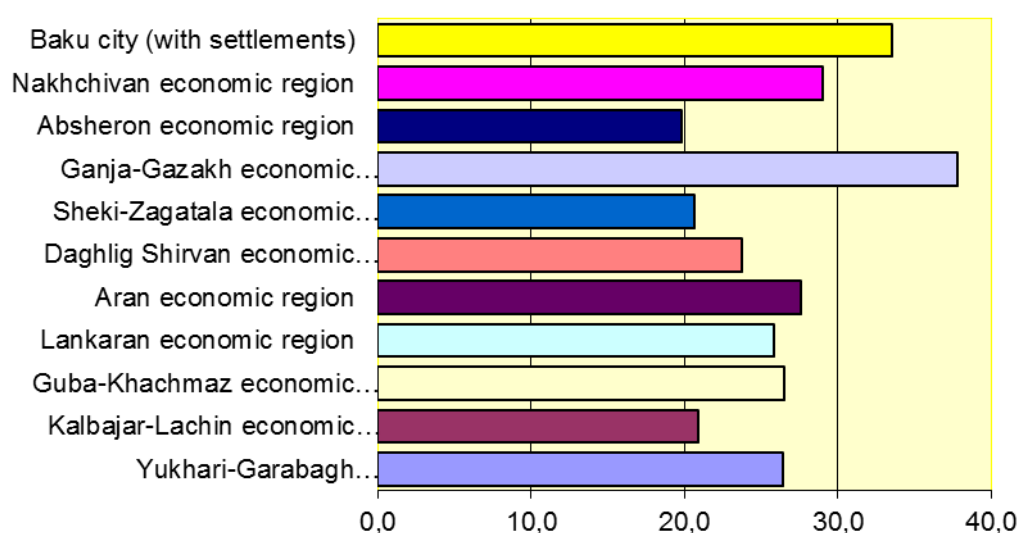


Table 4.2 Use of computers in enterprises

Indicators	2012	2013	2014	2015	2016	2017
Number of employees used computer, thousand persons	252.9	258.8	284.6	292.0	292.8	294.0
<i>males, in percent</i>	<i>50.4</i>	<i>50.8</i>	<i>51.9</i>	<i>53.1</i>	<i>52.0</i>	<i>51.4</i>
<i>females, in percent</i>	<i>49.6</i>	<i>49.2</i>	<i>48.1</i>	<i>46.9</i>	<i>48.0</i>	<i>48.6</i>
Proportion of employees used computer to total list number of employees working in the enterprises with computer, in percent	31.2	31.9	32.4	35.0	38.0	39.3
Proportion of employees used computer to total list number of employees working in acting enterprises¹⁰, in percent	18.5	21.6	23.2	28.0	29.6	30.7
<i>mining</i>	<i>15.5</i>	<i>15.0</i>	<i>17.0</i>	<i>20.3</i>	<i>20.8</i>	<i>21.0</i>
<i>manufacturing</i>	<i>10.2</i>	<i>10.3</i>	<i>10.6</i>	<i>10.9</i>	<i>11.1</i>	<i>11.6</i>
<i>electricity, gas and steam production, distribution and supply</i>	<i>14.9</i>	<i>14.3</i>	<i>16.3</i>	<i>19.7</i>	<i>20.5</i>	<i>20.9</i>
<i>water supply; waste treatment and disposal</i>	<i>4.3</i>	<i>5.8</i>	<i>6.6</i>	<i>7.3</i>	<i>8.1</i>	<i>9.6</i>
<i>construction</i>	<i>9.8</i>	<i>9.9</i>	<i>12.3</i>	<i>15.1</i>	<i>16.7</i>	<i>17.3</i>
<i>trade; repair of transport means</i>	<i>20.3</i>	<i>20.8</i>	<i>21.3</i>	<i>23.3</i>	<i>24.5</i>	<i>26.2</i>
<i>accommodation and food service activities</i>	<i>15.6</i>	<i>15.9</i>	<i>16.8</i>	<i>17.0</i>	<i>18.2</i>	<i>19.0</i>
<i>transportation and storage</i>	<i>11.3</i>	<i>11.5</i>	<i>13.7</i>	<i>17.3</i>	<i>18.8</i>	<i>19.3</i>
<i>information and communication</i>	<i>50.0</i>	<i>50.6</i>	<i>52.6</i>	<i>53.8</i>	<i>55.0</i>	<i>56.1</i>
<i>financial and insurance activities</i>	<i>73.1</i>	<i>82.2</i>	<i>87.4</i>	<i>88.0</i>	<i>86.4</i>	<i>86.2</i>
<i>real estate activities</i>	<i>11.0</i>	<i>11.2</i>	<i>11.8</i>	<i>12.2</i>	<i>13.3</i>	<i>14.7</i>
<i>professional, scientific and technical activities</i>	<i>27.6</i>	<i>28.1</i>	<i>30.5</i>	<i>32.1</i>	<i>33.4</i>	<i>33.5</i>
<i>administrative and support service activities</i>	<i>12.7</i>	<i>14.0</i>	<i>14.5</i>	<i>15.0</i>	<i>16.4</i>	<i>16.7</i>
<i>public administration and defence; social security</i>	<i>50.6</i>	<i>55.1</i>	<i>59.4</i>	<i>60.7</i>	<i>61.1</i>	<i>61.3</i>
<i>education</i>	<i>29.6</i>	<i>31.2</i>	<i>32.2</i>	<i>34.0</i>	<i>35.8</i>	<i>36.0</i>
<i>human health and social work activities</i>	<i>5.3</i>	<i>6.0</i>	<i>7.0</i>	<i>8.5</i>	<i>9.4</i>	<i>11.4</i>
<i>arts, entertainment and recreation</i>	<i>5.7</i>	<i>6.9</i>	<i>9.5</i>	<i>9.9</i>	<i>11.4</i>	<i>12.4</i>
<i>other service activities</i>	<i>37.5</i>	<i>38.1</i>	<i>38.6</i>	<i>39.3</i>	<i>39.8</i>	<i>40.3</i>

¹⁰ Distribution of the kinds of economic activity is given corresponding to the “Classification of the Kinds of Economic Activity” (NACE, 3rd revision, AZT029-2008).

4.3 Enterprises with internet access

64.5 percent or 169.7 thousand of computers using in enterprises are connected to Internet. 51.2% of enterprises with Internet access are concentrated in Baku city. 80.6 percent of enterprises having computers by country and 52.5 percent of all enterprises had Internet access. 57.3 percent of enterprises with 1-4 employees, as well as 80.7 percent enterprises with 5-9 employees, 86.0 percent of enterprises with 10-49 employees, 100.0 percent of enterprises with 50-249 employees and more than 250 persons have used Internet.

Figure 4.3

Number of computers connected to Internet, units

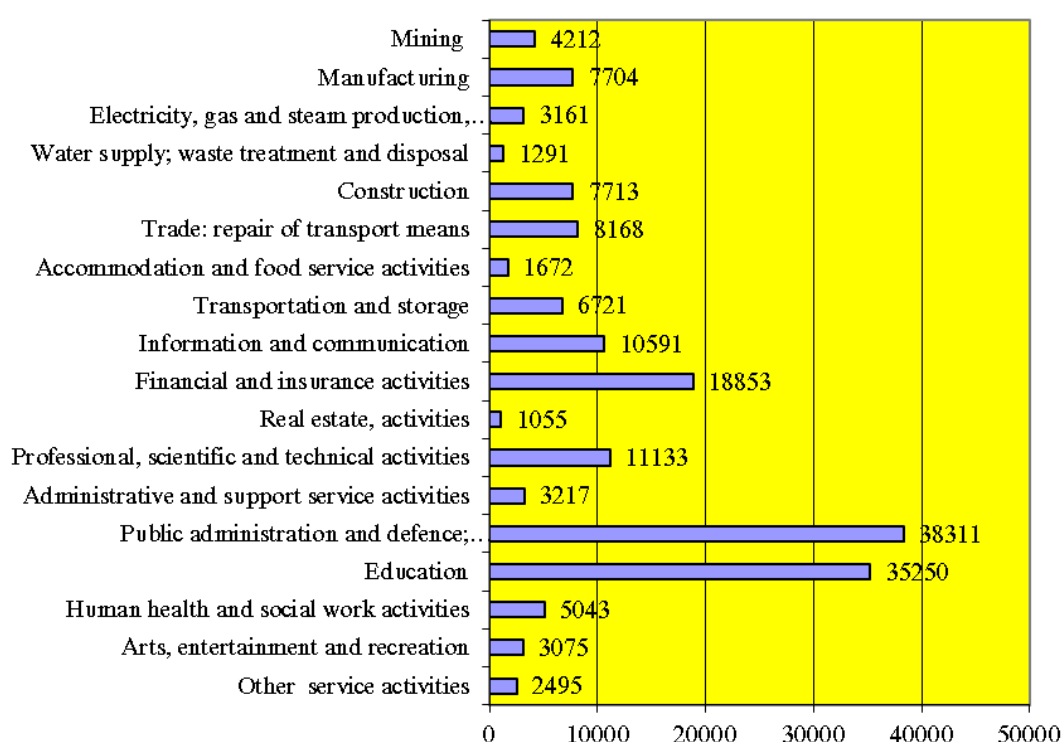


Table 4.3 Internet access of enterprises

Indicators	2012	2013	2014	2015	2016	2017
Number of computers connected to Internet, unit	116 112	137 530	154 130	166 191	166 960	169 665
Number of enterprises with Internet access, unit	7 749	8 372	9 288	9 712	9 787	9 892
<i>1-4 employees</i>	<i>1 080</i>	<i>1 204</i>	<i>1 477</i>	<i>1 584</i>	<i>1 596</i>	<i>2 169</i>
<i>5-9 employees</i>	<i>1 079</i>	<i>1 192</i>	<i>1 430</i>	<i>1 526</i>	<i>1 538</i>	<i>1 735</i>
<i>10-49 employees</i>	<i>3 012</i>	<i>3 042</i>	<i>3 426</i>	<i>3 571</i>	<i>3 599</i>	<i>2 978</i>
<i>50-249 employees</i>	<i>2 018</i>	<i>2 224</i>	<i>2 185</i>	<i>2 222</i>	<i>2 239</i>	<i>2 202</i>
<i>250 and more employees</i>	<i>560</i>	<i>710</i>	<i>770</i>	<i>809</i>	<i>815</i>	<i>808</i>
Proportion of enterprises with Internet access in total number of enterprises , in percent	40.9	42.2	45.7	48.0	51.6	52.5
<i>by enterprises with 1-4 employees</i>	<i>15.0</i>	<i>19.8</i>	<i>20.4</i>	<i>22.6</i>	<i>23.3</i>	<i>24.0</i>
<i>by enterprises with 5-9 employees</i>	<i>29.8</i>	<i>36.9</i>	<i>39.7</i>	<i>42.4</i>	<i>44.6</i>	<i>45.9</i>
<i>by enterprises with 10-49 employees</i>	<i>57.9</i>	<i>58.5</i>	<i>60.3</i>	<i>62.1</i>	<i>63.1</i>	<i>64.1</i>
<i>by enterprises with 50-249 employees</i>	<i>88.3</i>	<i>88.5</i>	<i>88.6</i>	<i>91.3</i>	<i>91.6</i>	<i>91.7</i>
<i>by enterprises with 250 and more employees</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Proportion of computers connected to Internet in total number of all computers, in percent	57.8	60.7	60.8	63.8	63.9	64.5
Proportion of enterprises with Internet access in the number of enterprises using computer, in percent	71.6	72.6	78.1	80.3	80.3	80.6
<i>by enterprises with 1-4 employees</i>	<i>44.7</i>	<i>45.1</i>	<i>49.3</i>	<i>53.4</i>	<i>57.1</i>	<i>57.3</i>
<i>by enterprises with 5-9 employees</i>	<i>65.9</i>	<i>66.3</i>	<i>76.3</i>	<i>78.3</i>	<i>80.5</i>	<i>80.7</i>
<i>by enterprises with 10-49 employees</i>	<i>78.8</i>	<i>79.1</i>	<i>84.1</i>	<i>85.7</i>	<i>85.8</i>	<i>86.0</i>
<i>by enterprises with 50-249 employees</i>	<i>88.3</i>	<i>88.9</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
<i>by enterprises with 250 and more employees</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Distribution of enterprises by type of Internet connection, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>modem (dial-up)</i>	<i>28.1</i>	<i>29.5</i>	<i>35.3</i>	<i>33.4</i>	<i>34.1</i>	<i>30.7</i>
<i>DSL>2Mb/second</i>	<i>25.3</i>	<i>26.0</i>	<i>24.9</i>	<i>21.8</i>	<i>21.1</i>	<i>18.8</i>
<i>DSL<2Mb/second</i>	<i>3.2</i>	<i>3.0</i>	<i>2.8</i>	<i>2.5</i>	<i>2.4</i>	<i>2.6</i>
<i>ISDN</i>	<i>9.3</i>	<i>10.3</i>	<i>9.3</i>	<i>10.6</i>	<i>8.2</i>	<i>9.1</i>
<i>other constant connection (with dedicated line etc.)</i>	<i>6.3</i>	<i>6.8</i>	<i>7.6</i>	<i>8.1</i>	<i>9.4</i>	<i>11.5</i>
<i>wireless</i>	<i>27.8</i>	<i>24.4</i>	<i>20.1</i>	<i>23.6</i>	<i>24.8</i>	<i>27.3</i>

4.4 Enterprises with Internet access

220.9 thousand employees of which 52.7 percent males and 47.3 percent females, working in 9892 enterprises with Internet access have used Internet and the number of employees compared to previous year has increased 1.7 percent.

Employees using Internet made 30.4 percent of employees of working for enterprises with Internet access and 23.1 percent of employees working in acting enterprises regardless of whether Internet access is available or not.

63.0% of employees worked for the enterprises with Internet access in financial and insurance sector have used Internet; less number of employees (8.0%) benefit from Internet in water supply; waste treatment and disposal service areas.

Figure 4.4

Distribution of employees using Internet by sex, as % to total

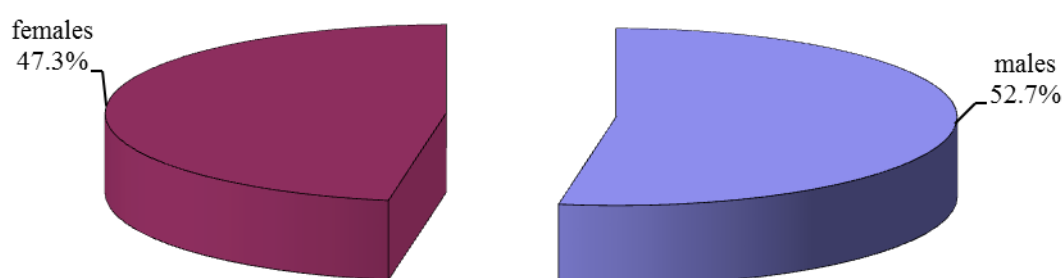


Table 4.4 Enterprises with Internet access

Indicators	2012	2013	2014	2015	2016	2017
Number of employees using Internet, thousand persons	148.3	172.7	202.0	212.0	217.2	220.9
<i>males, in percent</i>	48.1	49.1	50.2	50.6	50.7	52.7
<i>females , in percent</i>	51.9	50.9	49.8	49.4	49.3	47.3
Proportion of employees used Internet to total list number of employees working in the enterprises with Internet access, in percent	22.1	22.6	24.2	26.9	29.8	30.4
Proportion of employees used Internet to total list number of employees working in acting enterprises, in percent	10.9	14.4	16.5	20.4	21.9	23.1
Distribution of employees used Internet in the enterprises by kinds of economic activity, person	148 287	172 714	202 025	212 003	217 243	220 928
<i>mining</i>	3 961	4 142	4 506	4 526	4 598	4 608
<i>manufacturing</i>	6 003	6 498	6 723	7 303	7 466	7 789
<i>electricity, gas and steam production, distribution and supply</i>	2 638	2 682	3 178	3 397	3 682	3 791
<i>water supply; waste treatment and disposal</i>	688	1 118	1 170	1 307	1 331	1 447
<i>construction</i>	5 789	6 869	9 348	9 380	9 385	9 268
<i>trade: repair of transport means</i>	6 573	7 884	8 419	8 654	8 719	8 988
<i>transportation and storage</i>	3 801	3 980	4 946	5 708	5 767	5 995
<i>accommodation and food service activities</i>	796	800	1 360	1 411	1 476	1 561
<i>information and communication</i>	10 573	11 240	11 549	12 168	12 188	12 567
<i>financial and insurance activities</i>	14 111	18 223	18 673	18 759	18 665	18 619
<i>real estate activities</i>	593	724	831	948	1 014	1 175
<i>professional, scientific and technical activities</i>	11 253	11 397	13 734	14 026	14 128	14 469
<i>administrative and support service activities</i>	2 077	2 190	3 105	3 176	3 181	3 365
<i>public administration and defence; social security</i>	45 806	52 105	61 512	65 019	67 657	68 279
<i>education</i>	26 118	34 420	40 519	42 828	44 377	45 035
<i>human health and social work activities</i>	3 508	3 780	4 906	5 711	5 880	6 102
<i>arts, entertainment and recreation</i>	2 055	2 500	5 205	5 237	5 276	5 391
<i>other service activities</i>	1 944	2 162	2 341	2 445	2 453	2 479

4.5 Purposes of Internet use in enterprises

Internet was used by enterprises for mailings and obtaining e-mails (25.4%), banking and financial services (22.7%), searching of information or research activity (9.6%), and obtaining of information about goods and services (6.2%) and for other purposes.

Number of enterprises interacted with public authorities via Internet has increased 4.5 percent for the last year. 7960 enterprises or 80.5 percent of enterprises with Internet access have interacted with public authorities by using Internet. Interaction with public authorities with the purpose of obtaining information made 28.1 percent of total purposes, 26.4 percent of interactions were carried out for downloading official forms and 33.2 percent - submitting filled in forms and documents, 12.3 percent – other purposes.

Figure 4.5

**Distribution of interaction with public authorities by purposes,
as % to total**

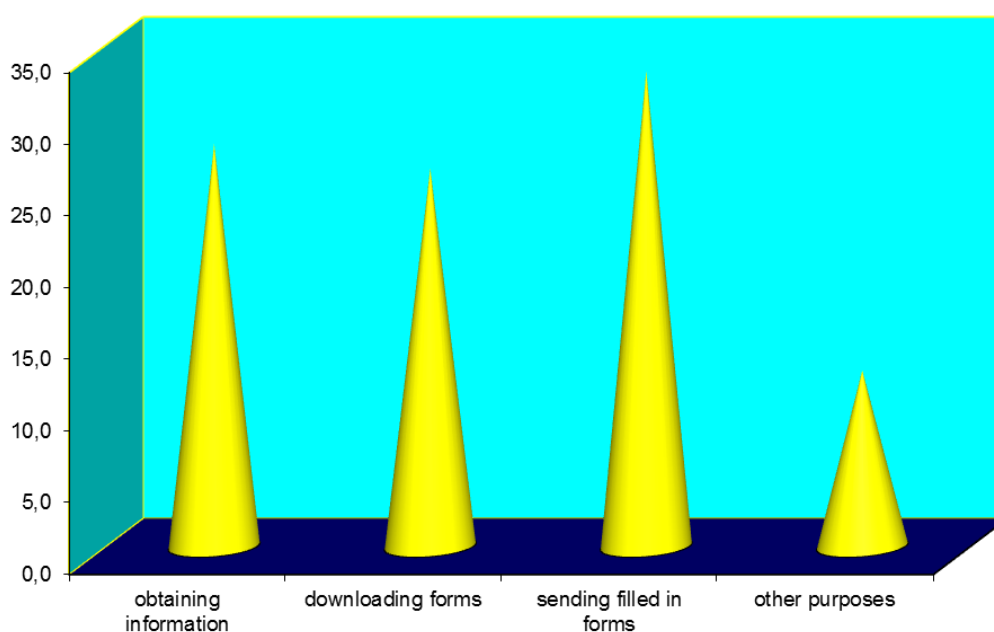


Table 4.5 Purposes and nature of Internet use at enterprises

Indicators	2012	2013	2014	2015	2016	2017
Distribution of purposes of Internet use of enterprises, as % to total	100.0	100.0	100.0	100.0	100.0	100.0
<i>banking and financial services</i>	16.9	21.1	21.0	21.7	21.9	22.7
<i>training and education</i>	5.0	5.9	5.5	5.5	5.6	5.3
<i>monitoring of market</i>	3.5	3.7	3.6	3.8	3.7	3.7
<i>information on goods and services</i>	6.7	7.3	7.1	6.9	6.6	6.2
<i>interaction with public authorities</i>	22.8	26.8	26.5	26.4	25.9	25.4
<i>other searching of information or research activities</i>	7.9	9.3	9.5	9.3	9.2	9.6
<i>provision with customer services</i>	4.0	4.5	5.0	4.8	4.6	4.9
<i>other</i>	33.2	21.4	21.8	21.6	22.5	22.2
number of enterprises interacting with public authorities, unit	5 158	6 183	7 188	7 469	7 617	7 960
<i>mining</i>	69	110	115	117	117	118
<i>manufacturing</i>	442	582	584	612	654	678
<i>electricity, gas and steam production, distribution and supply</i>	109	118	121	124	124	133
<i>water supply; waste treatment and disposal</i>	70	98	106	109	112	120
<i>construction</i>	486	530	676	678	656	662
<i>trade: repair of transport means</i>	432	546	599	602	611	637
<i>transportation and storage</i>	214	226	269	285	316	334
<i>accommodation and food service activities</i>	68	78	104	108	114	133
<i>information and communication</i>	237	264	315	325	325	335
<i>financial and insurance activities</i>	615	676	814	815	809	788
<i>real estate activities</i>	40	71	99	134	153	197
<i>professional, scientific and technical activities</i>	486	514	583	589	598	641
<i>administrative and support service activities</i>	146	171	234	241	256	284
<i>public administration and defence; social security</i>	739	1 001	1 234	1 283	1 285	1 282
<i>education</i>	281	350	387	451	456	497
<i>human health and social work activities</i>	288	319	379	386	406	445
<i>arts, entertainment and recreation</i>	139	173	200	206	219	259
<i>other service activities</i>	297	356	369	404	406	417

4.6 Availability of computers in the enterprises by regions

	Number of computers in the enterprises, unit					
	2012	2013	2014	2015	2016	2017
Total	200 946	226 734	253 595	260 343	261 365	263 206
	125 762	141 240	157 249	160 630	160 825	161 012
Baku city (with settlements)						
Absheron economic region	8 876	11 091	13 363	13 404	13 414	13 448
Khyzy region	212	235	248	263	265	265
Absheron region	2 626	2 866	3 144	3 155	3 166	3 179
Sumgait city	6 038	7 990	9 971	9 986	9 983	10 004
Ganja-Gazakh economic region	14 065	15 575	17 292	18 008	18 094	18 211
Ganja city	6 109	6 572	7 293	7 418	7 439	7 467
Gazakh region	960	975	1 040	1 123	1 132	1 137
Agstafa region	715	742	876	941	952	979
Tovuz region	1 143	1 296	1 511	1 587	1 592	1 617
Shamkir region	1 538	1 763	1 917	1 981	1 990	2 011
Gedabey region	937	1 005	1 103	1 169	1 176	1 183
Dashkesen region	288	323	431	458	462	457
Samukh region	512	537	596	647	656	658
Goygol region	540	956	1 077	1 174	1 179	1 175
Goranboy region	1 001	1 032	1 052	1 092	1 096	1 102
Naftalan city	322	374	396	418	420	425
Sheki-Zagatala economic region	6 593	7 767	8 306	8 663	8 711	8 756
Balaken region	848	995	1 142	1 183	1 192	1 206
Zagatala region	1 310	1 423	1 514	1 549	1 554	1 566
Gakh region	671	695	789	807	816	814
Sheki city	2 146	2 913	2 914	3 008	3 023	3 033
Oghuz region	557	600	659	744	741	743
Gabala region	1 061	1 141	1 288	1 372	1 385	1 394
Lankaran economic region	7 121	8 236	9 187	9 255	9 312	9 426
Astara region	956	1 182	1 339	1 392	1 401	1 410
Lankaran city	2 408	2 888	3 300	3 057	3 076	3 105
Lerik region	787	780	796	907	913	938

...continued

	Number of computers in the enterprises, unit					
	2012	2013	2014	2015	2016	2017
Yardymly region	491	575	638	710	718	739
Masally region	1 337	1 642	1 866	1 818	1 831	1 843
Jalilabad region	1 142	1 169	1 248	1 371	1 373	1 391
Guba-Khachmaz economic region	4 783	5 196	5 928	6 093	6 131	6 222
Gusar region	1 009	1 121	1 346	1 367	1 372	1 389
Khachmaz region	1 183	1 207	1 243	1 265	1 271	1 297
Guba region	1 569	1 733	2 007	2 070	2 082	2 109
Shabran region	520	583	666	720	724	742
Siyazan region	502	552	666	671	682	685
Aran economic region	17 644	19 261	21 453	22 715	22 780	23 078
Goychay region	1 171	1 213	1 307	1 367	1 370	1 364
Beylagan region	785	898	1 017	1 098	1 089	1 126
Agjabedi region	1 111	1 223	1 316	1 406	1 411	1 423
Barda region	1 296	1 472	1 641	1 711	1 714	1 720
Neftchala region	516	506	538	640	649	677
Bilasuvar region	846	861	1 038	1 114	1 121	1 144
Salyan region	1 142	1 324	1 404	1 470	1 474	1 495
Yevlakh city	1 061	1 089	1 207	1 311	1 319	1 314
Mingechevir city	1 621	1 764	1 874	1 981	1 991	2 016
Agdash region	854	959	1 145	1 184	1 172	1 204
Ujar region	601	655	726	752	749	779
Zardab region	494	582	652	727	726	737
Kurdamir region	870	958	1 052	1 100	1 103	1 130
Imishly region	1 007	1 124	1 356	1 407	1 409	1 402
Saatly region	960	1 129	1 270	1 354	1 361	1 384
Sabirabad region	1 006	1 012	1 145	1 196	1 200	1 184
Hajigabul region	686	691	854	883	891	917
Shirvan city	1 617	1 801	1 911	2 014	2 031	2 062
Yukhari-Garabagh economic region	2 221	3 111	3 512	3 624	3 651	3 682
Jabrail region	317	328	374	391	395	395
Fuzuli region	545	587	624	645	653	667
Agdam region	252	909	970	989	985	954
Terter region	612	630	702	724	728	750

...continued

	Number of computers in the enterprises, unit					
	2012	2013	2014	2015	2016	2017
Khojaly region	136	145	157	169	174	182
Shusha region	217	339	500	512	514	520
Khojavend region	142	173	185	194	202	214
Kalbajar-Lachin economic region	1 285	1 682	1 766	1 837	1 844	1 878
Kalbajar region	278	281	305	321	329	344
Lachin region	236	344	366	381	384	383
Gubadly region	482	560	564	582	579	590
Zangilan region	289	497	531	553	552	561
Daghlig Shirvan economic region	3 307	3 703	4 574	4 678	4 683	4 728
Gobustan region	367	384	423	447	444	466
Ismayilly region	1 045	1 192	1 620	1 648	1 655	1 675
Agsu region	881	1 058	1 181	1 205	1 213	1 215
Shamakhy region	1 014	1 069	1 350	1 378	1 371	1 372
Nakhchivan Autonomus Republic	9 289	9 872	10 965	11 436	11 920	12 765

4.7 Number of enterprises using computers by regions, unit

	2012	2013	2014	2015	2016	2017
Total	10 826	11 526	11 899	12 100	12 182	12 266
	5 598	5 690	5 947	5 958	5 962	5 966
Baku city (with settlements)						
Absheron economic region	413	447	451	458	460	467
Khyzy region	45	47	48	48	50	53
Absheron region	144	149	150	156	158	160
Sumgait city	224	251	253	254	252	254
Ganja-Gazakh economic region	827	890	906	940	955	981
Ganja city	279	290	293	303	305	308
Gazakh region	70	73	75	77	78	80
Agstafa region	52	55	57	58	60	60
Tovuz region	63	72	74	80	82	85
Shamkir region	56	64	65	69	71	74
Gedabey region	80	82	82	85	87	91
Dashkesen region	27	31	32	33	32	32
Samukh region	57	59	61	61	63	65
Goygol region	36	45	45	48	50	54
Goranboy region	76	85	87	90	91	94
Naftalan city	31	34	35	36	36	38
Sheki-Zagatala economic region	586	612	618	631	640	642
Balaken region	67	68	69	72	74	76
Zagatala region	120	127	127	129	127	124
Gakh region	78	80	81	83	85	85
Sheki city	159	169	170	172	174	172
Oghuz region	51	53	54	55	57	60
Gabala region	111	115	117	120	123	125
Lankaran economic region	418	508	520	537	548	558
Astara region	51	89	90	91	93	95
Lankaran city	162	167	168	174	177	180
Lerik region	54	56	56	58	57	57
Yardymly region	33	38	39	42	43	45
Masally region	45	84	89	91	95	97
Jalilabad region	73	74	78	81	83	84

... continued

	2012	2013	2014	2015	2016	2017
Guba-Khachmaz economic region	398	427	438	452	457	462
Gusar region	71	75	78	78	80	80
Khachmaz region	102	110	114	121	124	126
Guba region	121	132	134	135	137	140
Shabran region	55	57	58	61	59	59
Siyazan region	49	53	54	57	57	57
Aran economic region	1 299	1 514	1551	1 605	1629	1 654
Goychay region	73	83	85	87	90	90
Beylagan region	63	128	132	137	135	137
Agjabedi region	98	108	111	115	115	114
Barda region	58	63	64	65	66	67
Neftchala region	57	61	63	65	67	71
Bilasuvay region	65	102	104	107	110	107
Salyan region	70	90	93	98	101	104
Yevlakh city	68	73	76	78	79	80
Mingechevir city	121	127	128	130	134	135
Agdash region	93	97	98	100	97	95
Ujar region	68	73	73	75	74	79
Zardab region	34	38	40	44	45	47
Kurdamir region	44	49	53	54	56	57
Imishly region	76	86	89	94	96	98
Saatly region	73	83	85	87	88	87
Sabirabad region	74	78	80	84	86	89
Hajigabul region	56	61	61	64	67	69
Shirvan city	108	114	116	121	123	128
Yukhari-Garabagh economic region	287	334	343	362	364	366
Jabrail region	18	20	20	24	25	27
Fuzuli region	37	46	48	55	57	59
Agdam region	81	101	103	106	104	102
Tertir region	68	76	77	79	80	80
Khojaly region	23	24	25	25	26	26
Shusha region	34	35	36	38	38	38
Khojavend region	26	32	34	35	34	34

... continued

	2012	2013	2014	2015	2016	2017
Kalbajar-Lachin economic region	111	195	200	206	204	204
Kalbajar region	29	34	36	38	38	40
Lachin region	18	56	56	58	57	57
Gubadly region	32	60	61	62	61	60
Zangilan region	32	45	47	48	48	47
Daghlig Shirvan economic region	314	331	338	352	357	360
Gobustan region	49	50	51	55	56	57
Ismayilly region	115	125	127	131	133	133
Agsu region	54	54	56	60	63	65
Shamakhy region	96	102	104	106	105	105
Nakhchivan Autonomus Republic	575	578	587	599	606	606

4.8 Proportion of enterprises using computers in acting enterprises by regions, in percent

	2012	2013	2014	2015	2016	2017
Total	57.1	57.8	58.6	63.1	65.3	66.9
	66.1	66.3	66.5	67.1	69.3	71.7
Baku city (with settlements)						
Absheron economic region	54.5	55.1	66.6	66.9	67.5	68.1
Khyzy region	72.6	78.6	79.4	87.3	87.7	86.9
Absheron region	52.6	53.7	54.4	63.7	64.5	65.3
Sumgait city	52.3	52.4	54.9	66.0	66.5	66.8
Ganja-Gazakh economic region	44.1	49.3	50.2	51.5	54.4	55.9
Ganja city	59.8	60.6	61.5	61.8	63.9	64.6
Gazakh region	46.1	47.5	48.5	50.0	52.0	53.3
Agstafa region	45.8	45.7	47.3	47.5	50.0	52.2
Tovuz region	33.7	41.3	44.3	44.4	48.0	49.7
Shamkir region	25.2	30.5	32.3	32.9	36.4	37.9
Gedabey region	60.6	63.8	64.0	64.4	66.9	67.4
Dashkesen region	29.7	31.0	32.2	33.0	35.6	37.2
Samukh region	56.4	60.2	61.1	62.2	66.3	68.4
Goygol region	25.9	34.9	35.4	35.6	38.5	41.5
Goranboy region	42.7	54.5	54.9	55.9	58.7	60.6
Naftalan city	75.6	85.0	85.2	85.7	83.7	82.6
Sheki-Zagatala economic region	58.0	64.3	65.8	65.9	68.4	68.8
Balaken region	56.3	58.6	59.1	59.5	61.2	62.8
Zagatala region	61.7	71.5	72.0	72.9	76.0	74.3
Gakh region	56.5	57.9	58.1	59.7	63.0	64.4
Sheki city	59.8	69.4	70.1	70.8	72.5	71.7
Oghuz region	54.8	61.0	61.5	62.5	65.5	68.2
Gabala region	55.6	59.3	62.1	63.2	66.5	67.6
Lankaran economic region	46.3	57.2	58.6	59.1	63.2	64.7
Astara region	49.0	58.1	63.1	70.0	72.7	71.4
Lankaran city	56.3	58.0	58.7	59.8	63.7	66.7
Lerik region	65.9	66.4	66.9	67.4	70.4	73.1
Yardymly region	30.0	35.5	39.1	39.6	45.3	47.4
Masally region	27.1	53.8	62.7	63.6	67.9	68.3
Jalilabad region	48.0	50.0	52.8	52.9	57.2	57.9

... continued

	2012	2013	2014	2015	2016	2017
Guba-Khachmaz economic region	55.1	61.9	62.6	62.7	65.4	66.2
Gusar region	52.2	57.8	58.2	60.0	64.0	64.5
Khachmaz region	54.3	57.6	57.8	58.7	60.8	61.8
Guba region	56.8	62.3	60.8	61.6	63.7	65.1
Shabran region	57.9	65.5	66.2	66.3	69.4	70.2
Siyazan region	62.3	75.7	76.1	77.0	81.4	80.3
Aran economic region	46.9	56.6	57.1	57.1	59.3	60.5
Goychay region	42.2	45.1	49.7	51.2	52.9	53.6
Beylagan region	40.6	41.7	48.0	52.9	54.0	54.8
Agjabedi region	59.8	71.2	72.3	73.7	73.2	72.6
Barda region	27.1	29.0	29.7	31.9	34.7	35.3
Neftchala region	54.8	59.6	60.6	63.1	67.0	71.0
Bilasvar region	52.0	57.6	57.8	60.1	62.9	63.3
Salyan region	49.6	65.7	66.3	69.0	67.3	69.8
Yevlakh city	41.2	41.2	43.7	45.6	49.4	50.0
Mingechevir city	58.2	65.1	66.8	68.4	70.5	71.1
Agdash region	55.3	59.7	60.8	62.5	64.7	63.3
Ujar region	55.5	59.8	62.5	65.2	67.3	71.8
Zardab region	26.6	31.4	50.0	52.4	55.6	57.3
Kurdamir region	34.9	36.0	38.1	40.9	44.8	45.6
Imishly region	42.5	50.9	52.4	54.3	56.5	57.6
Saatly region	52.5	61.5	61.9	64.0	65.2	65.9
Sabirabad region	49.7	50.3	52.7	54.9	57.3	59.3
Hajigabul region	54.4	58.3	61.6	63.4	65.7	67.6
Shirvan city	62.9	63.5	63.7	65.8	68.3	71.1
Yukhari-Garabagh economic region	48.3	57.2	57.6	61.4	62.7	63.2
Jabrail region	27.0	32.8	37.3	38.1	41.7	45.0
Fuzuli region	28.5	32.9	40.0	42.3	45.6	47.2
Agdam region	65.5	84.4	85.1	86.2	83.9	82.3
Terter region	46.2	52.8	53.0	53.4	55.2	56.3

... continued

	2012	2013	2014	2015	2016	2017
Khojaly region	69.0	82.8	83.3	83.3	81.3	78.8
Shusha region	61.4	63.5	64.2	65.5	67.2	67.9
Khojavend region	72.2	88.9	89.5	92.1	91.9	87.2
Kalbajar-Lachin economic region	39.8	57.8	60.4	61.1	63.2	63.4
Kalbajar region	37.2	43.6	51.5	69.1	69.1	69.0
Lachin region	22.0	24.4	24.7	39.5	42.5	43.5
Gubadly region	48.5	55.2	56.9	76.5	77.2	76.9
Zangilan region	60.4	63.3	65.4	88.9	87.3	85.5
Daghlig Shirvan economic region	55.2	58.1	58.9	61.6	63.4	64.2
Gobustan region	54.4	54.9	56.8	59.8	62.2	62.6
Ismayilly region	60.0	65.1	62.6	65.2	66.5	67.2
Agsu region	47.2	47.8	48.5	50.4	53.4	55.1
Shamakhy region	58.9	60.1	63.4	66.7	67.7	68.2
Nakhchivan Autonomous Republic	64.8	65.5	66.4	66.6	66.6	67.4

4.9 Availability of computers in the enterprises by kinds of economic activity

	Number of computers in enterprises, unit					
	2012	2013	2014	2015	2016	2017
Total	200 946	226 733	253 595	260 343	261 365	263 206
of which:						
Mining	5 521	5 537	6 031	6 067	6 083	6 079
Manufacturing	9 648	10 361	10 904	11 281	11 279	11 356
Electricity, gas and steam production, distribution and supply	3 926	4 134	4 408	4 802	4 805	4 812
Water supply; waste treatment and disposal	843	1 392	1 405	1 493	1 617	1 654
Construction	8 625	9 621	9 630	9 695	9 697	9 709
Trade; repair of transport means	7 287	8 571	9 427	9 541	9 798	10 124
Transportation and storage	7 756	7 809	9 523	10 864	10 968	11 100
Accommodation and food service activities	859	876	1 158	1 617	1 734	1 882
Information and communication	14 861	15 150	16 597	16 980	16 985	17 003
Financial and insurance activities	19 892	25 138	26 265	26 734	26 740	26 711
Real estate activities	1 231	1 366	1 576	1 667	1 680	1 745
Professional, scientific and technical activities	12 893	13 733	16 952	17 076	17 119	17 175
Administrative and support service activities	3 413	3 491	3 512	3 589	3 628	3 683
Public administration and defence; social security	28 602	32 636	38 099	38 801	38 893	39 117
Education	65 093	75 644	82 232	83 412	83 492	83 750
Human health and social work activities	5 333	6 004	7 004	7 785	7 821	8 134
Arts, entertainment and recreation	2 892	2 992	6 208	6 254	6 320	6 384
Other service activities	2 271	2 278	2 664	2 685	2 706	2 788

4.10 Number of enterprises using computers by kinds of economic activity, unit

	2012	2013	2014	2015	2016	2017
Total	10 826	11 526	11 899	12 100	12 182	12 266
of which:						
Mining	125	161	165	168	167	165
Manufacturing	878	943	950	955	958	963
Electricity, gas and steam production, distribution and supply	178	186	187	187	184	186
Water supply; waste treatment and disposal	153	173	175	177	185	187
Construction	903	931	977	978	985	991
Trade; repair of transport means	925	932	934	958	961	972
Transportation and storage	399	404	428	444	453	458
Accommodation and food service activities	134	139	146	146	151	159
Information and communication	395	411	456	471	480	484
Financial and insurance activities	975	1 086	1 102	1 128	1 120	1 109
Real estate activities	118	129	193	209	216	228
Professional, scientific and technical activities	953	958	960	976	981	984
Administrative and support service activities	314	320	358	373	375	384
Public administration and defence; social security	2 152	2 417	2 435	2 458	2 481	2 491
Education	733	830	904	925	935	944
Human health and social work activities	531	542	554	561	564	568
Arts, entertainment and recreation	317	322	329	334	332	333
Other service activities	643	642	646	652	654	660

4.11 Proportion of enterprises using computers in acting enterprises by kinds of economic activity, in percent

	2012	2013	2014	2015	2016	2017
Total	57.1	57.8	58.6	63.1	65.3	66.9
of which:						
Mining	48.3	60.5	61.2	61.5	60.7	63.2
Manufacturing	61.6	67.4	68.3	68.4	68.6	68.9
Electricity, gas and steam production, distribution and supply	84.8	88.4	89.2	89.5	88.5	88.6
Water supply; waste treatment and disposal	71.0	75.4	76.2	76.6	76.8	77.6
Construction	55.2	63.1	63.6	63.7	64.2	65.4
Trade: repair of transport means	65.5	66.4	66.5	66.8	67.0	67.8
Transportation and storage	62.4	62.7	67.4	67.5	68.8	69.6
Accommodation and food service activities	36.2	38.3	44	44.2	44.4	46.8
Information and communication	87.5	88.2	89.1	89.5	87.9	88.6
Financial and insurance activities	92.8	98.4	98.7	98.9	98.2	99.9
Real estate activities	43.4	43.6	45.4	45.6	44.3	46.7
Professional, scientific and technical activities	73.1	73.7	75.5	75.8	74.4	77.0
Administrative and support service activities	44.5	44.9	52.6	53.4	55.1	56.5
Public administration and defence; social security	51.8	57.7	59.2	59.4	59.5	60.5
Education	70.1	71.2	71.7	72.0	71.1	72.9
Human health and social work activities	80.0	81.4	75.5	76.3	75.7	78.3
Arts, entertainment and recreation	56.5	56.8	57.3	57.4	57.0	59.3
Other service activities	42.1	43.5	43.5	43.8	41.2	44.3

4.12 Distribution of enterprises by ICT networks used, in percent, 2017

	Total	connecting networks			
		wireless LAN	wire based LAN	intranet	extranet
Total	100,0	25.4	48.4	21.4	4.8
of which:					
Mining	100,0	35.9	40.4	17.9	5.8
Manufacturing	100,0	30.9	47.6	17.6	3.9
Electricity, gas and steam production, distribution and supply	100,0	6.9	46.6	38.5	8.0
Water supply; waste treatment and disposal	100,0	20.0	56.1	21.3	2.6
Construction	100,0	34.8	48.1	15.0	2.1
Trade: repair of transport means	100,0	38.1	42.3	15.6	4.0
Transportation and storage	100,0	27.4	46.7	22.1	3.8
Accommodation and food service activities	100,0	39.5	39.0	16.9	4.6
Information and communication	100,0	26.2	42.9	23.2	7.7
Financial and insurance activities	100,0	16.9	40.9	29.4	12.8
Real estate activities	100,0	23.6	45.5	27.5	3.4
Professional, scientific and technical activities	100,0	29.9	44.2	21.2	4.7
Administrative and support service activities	100,0	40.6	40.8	14.9	3.7
Public administration and defence; social security	100,0	17.1	56.4	23.1	3.4
Education	100,0	24.8	50.8	19.2	5.2
Human health and social work activities	100,0	23.6	51.3	22.9	2.2
Arts, entertainment and recreation	100,0	22.1	51.1	23.8	3.0
Other service activities	100,0	20.8	58.0	18.9	2.3

4.13 Distribution of enterprises used computers by the number of employees, 2017

	Total	of which by size class:				
		1-4	5-9	10-49	50-249	250 and more
Total, unit	12 266	3 363	2 101	3 760	2 236	806
<i>in percentage</i>	<i>100.0</i>	<i>27.4</i>	<i>17.1</i>	<i>30.7</i>	<i>18.2</i>	<i>6.6</i>
Mining , unit	165	38	24	47	23	33
<i>in percentage</i>	<i>100.0</i>	<i>23.0</i>	<i>14.6</i>	<i>28.5</i>	<i>13.9</i>	<i>20.0</i>
Manufacturing	963	182	154	307	231	89
<i>in percentage</i>	<i>100.0</i>	<i>18.9</i>	<i>16.0</i>	<i>31.9</i>	<i>24.0</i>	<i>9.2</i>
Electricity, gas and steam production, distribution and supply	186	2	2	30	135	17
<i>in percentage</i>	<i>100.0</i>	<i>1.1</i>	<i>1.1</i>	<i>16.1</i>	<i>72.6</i>	<i>9.1</i>
Water supply; waste treatment and disposal	187	9	9	43	98	28
<i>in percentage</i>	<i>100.0</i>	<i>4.8</i>	<i>4.8</i>	<i>23.0</i>	<i>52.4</i>	<i>15.0</i>
Construction	991	235	148	309	240	59
<i>in percentage</i>	<i>100.0</i>	<i>23.7</i>	<i>14.9</i>	<i>31.2</i>	<i>24.2</i>	<i>6.0</i>
Trade: repair of transport means	972	...	285	447	180	60
<i>in percentage</i>	<i>100.0</i>	<i>...</i>	<i>29.3</i>	<i>46.0</i>	<i>18.5</i>	<i>6.2</i>
Transportation and storage	458	89	65	148	115	41
<i>in percentage</i>	<i>100.0</i>	<i>19.4</i>	<i>14.2</i>	<i>32.3</i>	<i>25.1</i>	<i>9.0</i>
Accommodation and food service activities	159	29	22	67	27	14
<i>in percentage</i>	<i>100.0</i>	<i>18.2</i>	<i>13.8</i>	<i>42.1</i>	<i>17.0</i>	<i>8.9</i>
Information and communication	484	147	88	123	104	22
<i>in percentage</i>	<i>100.0</i>	<i>30.4</i>	<i>18.2</i>	<i>25.4</i>	<i>21.5</i>	<i>4.5</i>
Financial and insurance activities	1 109	208	246	566	68	21
<i>in percentage</i>	<i>100.0</i>	<i>18.8</i>	<i>22.2</i>	<i>51.0</i>	<i>6.1</i>	<i>1.9</i>
Real estate activities	228	88	38	73	19	10
<i>in percentage</i>	<i>100.0</i>	<i>38.6</i>	<i>16.7</i>	<i>32.0</i>	<i>8.3</i>	<i>4.4</i>
Professional, scientific and technical activities	984	253	159	354	171	47
<i>in percentage</i>	<i>100.0</i>	<i>25.7</i>	<i>16.2</i>	<i>35.9</i>	<i>17.4</i>	<i>4.8</i>
Administrative and support service activities	384	163	75	88	48	10
<i>in percentage</i>	<i>100.0</i>	<i>42.4</i>	<i>19.5</i>	<i>22.9</i>	<i>12.5</i>	<i>2.7</i>
Public administration and defence; social security	2 491	1355	441	484	182	29
<i>in percentage</i>	<i>100.0</i>	<i>54.4</i>	<i>17.7</i>	<i>19.4</i>	<i>7.3</i>	<i>1.2</i>
Education	944	113	84	246	325	176
<i>in percentage</i>	<i>100.0</i>	<i>12.0</i>	<i>8.9</i>	<i>26.1</i>	<i>34.4</i>	<i>18.6</i>
Human health and social work activities	568	54	71	189	153	101
<i>in percentage</i>	<i>100.0</i>	<i>9.5</i>	<i>12.5</i>	<i>33.3</i>	<i>26.9</i>	<i>17.8</i>
Arts, entertainment and recreation	333	32	40	132	86	43
<i>in percentage</i>	<i>100.0</i>	<i>9.7</i>	<i>12.0</i>	<i>39.6</i>	<i>25.8</i>	<i>12.9</i>
Other service activities	660	366	150	107	31	6
<i>in percentage</i>	<i>100.0</i>	<i>55.5</i>	<i>22.7</i>	<i>16.2</i>	<i>4.7</i>	<i>0.9</i>

4.14 Number of employees used of computers in the enterprises, by kinds of economic activity

	2012	2013	2014	2015	2016	2017
Total	252 943	258 769	284 580	291 985	292 823	293 951
of which:						
Mining	5 760	5 772	6 163	8 296	8 284	8 287
Manufacturing	9 060	9 115	10 035	10 217	10 233	10 408
Electricity, gas and steam production, distribution and supply	4 575	4 584	4 867	5 225	5 258	5 301
Water supply; waste treatment and disposal	992	1 032	1 450	1 573	1 578	1 587
Construction	7 312	7 516	12 708	12 802	12 653	12 626
Trade: repair of transport means	8 140	8 170	10 341	10 410	10 462	10 690
Transportation and storage	7 919	8 061	9 662	11 027	11 140	11 290
Accommodation and food service activities	974	986	1 494	1 579	1 594	1 688
Information and communication	13 329	13 646	14 420	14 581	14 574	14 585
Financial and insurance activities	18 348	20 627	24 862	25 548	25 073	25 014
Real estate activities	1 288	1 344	1 473	1 581	1 590	1 617
Professional, scientific and technical activities	14 672	15 465	17 413	17 503	17 579	17 595
Administrative and support service activities	3 309	3 384	3 544	3 642	3 652	3 678
Public administration and defence; social security	79 227	79 862	81 729	82 579	83 151	83 196
Education	65 432	66 245	67 139	67 838	68 179	68 212
Human health and social work activities	6 863	7 165	9 140	9 256	9 392	9 580
Arts, entertainment and recreation	3 283	3 402	5 528	5 612	5 679	5 812
Other service activities	2 460	2 393	2 612	2 716	2 752	2 785

4.15 Number of employees using computers in relation to pay-roll of employees working in enterprises having computer by kinds of economic activity

	2012	2013	2014	2015	2016	2017
Total	31.2	31.9	32.4	35.0	38.0	39.3
of which:						
Mining	17.5	17.6	20.0	21.3	22.4	22.4
Manufacturing	11.5	11.6	12.0	12.7	14.4	14.7
Electricity, gas and steam production, distribution and supply	15.6	16.5	17.2	19.7	20.5	20.7
Water supply; waste treatment and disposal	5.8	6.4	7.3	8.2	10.8	10.9
Construction	11.6	12.3	14.2	14.9	17.4	17.3
Trade: repair of transport means	48.9	49.2	49.9	50.8	51.3	52.4
Transportation and storage	13.1	14.0	15.8	16.2	18.6	18.8
Accommodation and food service activities	30.1	30.7	31.8	32.5	34.8	36.9
Information and communication	58.0	58.5	58.6	59.5	61.3	61.3
Financial and insurance activities	76.9	83.5	89.4	89.8	89.7	89.5
Real estate activities	12.2	13.5	16.4	17.2	19.9	20.3
Professional, scientific and technical activities	30.1	33.3	34.9	35.6	37.0	37.0
Administrative and support service activities	20.6	21.4	22.4	23.1	25.8	26.0
Public administration and defence; social security	63.4	64.6	71.8	72.4	71.9	72.0
Education	56.9	57.7	58.1	59.2	61.5	61.5
Human health and social work activities	7.0	7.8	8.8	9.7	11.9	12.1
Arts, entertainment and recreation	15.1	15.4	15.7	16.3	17.4	17.8
Other service activities	60.4	60.6	60.9	61.8	60.5	61.2

4.16 Number of employees using computer in relation to pay-roll of employees worked in operating enterprises by kinds of economic activity, percent

	2012	2013	2014	2015	2016	2017
Total	18.5	21.6	23.2	28.0	29.6	30.7
of which:						
Mining	15.5	15.0	17.0	20.3	20.8	21.0
Manufacturing	10.2	10.3	10.6	10.9	11.1	11.6
Electricity, gas and steam production, distribution and supply	14.9	14.3	16.3	19.7	20.5	20.9
Water supply; waste treatment and disposal	4.3	5.8	6.6	7.3	8.1	9.6
Construction	9.8	9.9	12.3	15.1	16.7	17.3
Trade; repair of transport means	20.3	20.8	21.3	23.3	24.5	26.2
Transportation and storage	11.3	11.5	13.7	17.3	18.8	19.0
Accommodation and food service activities	15.6	15.9	16.8	17.0	18.2	19.3
Information and communication	50.0	50.6	52.6	53.8	55.0	56.1
Financial and insurance activities	73.1	82.2	87.4	88.0	86.4	86.2
Real estate activities	11.0	11.2	11.8	12.2	13.3	14.7
Professional, scientific and technical activities	27.6	28.1	30.5	32.1	33.4	33.5
Administrative and support service activities	12.7	14.0	14.5	15.0	16.4	16.7
Public administration and defence; social security	50.6	55.1	59.4	60.7	61.1	61.3
Education	29.6	31.2	32.2	34.0	35.8	36.0
Human health and social work activities	5.3	6.0	7.0	8.5	9.4	11.4
Arts, entertainment and recreation	5.7	6.9	9.5	9.9	11.4	12.4
Other service activities	37.5	38.1	38.6	39.3	39.8	40.3

4.17 Number of employees using computers by regions

	2012	2013	2014	2015	2016	2017
Total	252 943	258 769	284 580	291 985	292 823	293 951
	143 249	144 623	162 477	166 990	167 092	167 486
Baku city (with settlements)						
Absheron economic region	7 483	7 590	8 877	9 045	9 062	9 092
Khyzy region	210	245	296	312	326	328
Absheron region	1 815	1 880	2 339	2 402	2 419	2 436
Sumgait city	5 458	5 465	6 242	6 331	6 317	6 328
Ganja-Gazakh economic region	27 720	28 169	28 856	29 459	29 532	29 628
Ganja city	8 961	9 090	9 273	9 325	9 355	9 377
Gazakh region	3 143	3 177	3 190	3 221	3 239	3 257
Agstafa region	967	995	1 077	1 086	1 096	1 108
Tovuz region	2 173	2 217	2 311	2 472	2 480	2 498
Shamkir region	5 497	5 523	5 576	5 606	5 623	5 642
Gedabey region	572	575	607	702	706	709
Dashkesen region	738	747	767	814	801	788
Samukh region	1 101	1 120	1 149	1 217	1 223	1 229
Goygol region	544	619	692	791	805	808
Goranboy region	3 604	3 620	3 667	3 671	3 661	3 667
Naftalan city	420	486	547	554	543	545
Sheki-Zagatala economic region	5 822	5 961	6 595	6 773	6 847	6 938
Balaken region	745	782	991	997	1 011	1 025
Zagatala region	1 047	1 062	1 123	1 176	1 182	1 202
Gakh region	901	921	934	948	958	963
Sheki city	1 532	1 558	1 688	1 731	1 750	1 777
Oghuz region	486	515	597	618	630	642
Gabala region	1 111	1 123	1 262	1 303	1 316	1 329
Lankaran economic region	8 970	9 390	9 646	9 865	9 890	9 949
Astara region	540	592	607	689	696	706
Lankaran city	1 925	2 065	2 180	2 197	2 210	2 223
Lerik region	890	928	945	951	939	943

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	2012	2013	2014	2015	2016	2017
Yardymly region	760	866	903	908	917	926
Masally region	2 835	2 853	2 887	2 929	2 928	2 942
Jalilabad region	2 020	2 086	2 124	2 191	2 200	2 209
Guba-Khachmaz economic region	5 885	6 132	6 617	6 808	6 843	6 891
Gusar region	1 151	1 207	1 316	1 326	1 343	1 360
Khachmaz region	1 237	1 242	1 325	1 338	1 344	1 353
Guba region	2 638	2 726	2 854	2 871	2 885	2 897
Shabran region	428	468	521	584	576	580
Siyazan region	431	489	601	689	695	701
Aran economic region	26 045	26 893	28 398	29 104	29 201	29 279
Goychay region	784	804	808	878	888	882
Beylagan region	875	891	989	1 002	994	1001
Agjabedi region	2 990	2 994	3 043	3 082	3 093	3 104
Barda region	841	937	1 020	1 055	1 063	1 071
Neftchala region	786	837	985	1 058	1 069	1 080
Bilasvar region	650	660	766	835	839	843
Salyan region	3 860	3 906	3 934	3 962	3 963	3 971
Yevlakh city	1 452	1 478	1 536	1 622	1 633	1 628
Mingechevir city	3 015	3 046	3 296	3 302	3 319	3 336
Agdash region	651	729	794	804	797	805
Ujar region	763	828	942	987	978	975
Zardab region	489	546	675	692	697	702
Kurdamir region	1 684	1 736	1 814	1 863	1 874	1 885
Imishly region	2 056	2 139	2 190	2 268	2 270	2 262
Saatly region	1 101	1 174	1 196	1 205	1 200	1 203
Sabirabad region	1 378	1 388	1 444	1 450	1 447	1 434
Hajigabul region	572	634	697	737	748	751
Shirvan city	2 098	2 166	2 269	2 302	2 329	2 346
Yukhari-Garabagh economic region	4 116	4 457	5 058	5 200	5 214	5 219
Jabrail region	191	263	379	396	405	402
Fuzuli region	668	701	733	785	793	794
Agdam region	1 279	1 329	1 528	1 541	1 537	1 533
Terter region	404	454	552	564	569	573

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	2012	2013	2014	2015	2016	2017
Khojaly region	350	387	404	428	429	430
Shusha region	796	830	957	969	973	977
Khojavend region	428	493	505	517	508	510
Kalbajar-Lachin economic region	1 782	1 949	2 308	2 422	2 441	2 454
Kalbajar region	334	339	495	509	512	515
Lachin region	227	286	304	326	332	332
Gubadly region	574	606	717	768	773	778
Zangilan region	647	718	792	819	824	829
Daghlig Shirvan economic region	3 217	3 438	3 832	3 961	3 977	4 012
Gobustan region	233	281	356	418	424	431
Ismayilly region	1 541	1 583	1 708	1 751	1 762	1 773
Agsu region	763	823	837	848	854	865
Shamakhy region	680	751	931	944	937	943
Nakhchivan Autonomus Republic	18 654	20 167	21 916	22 358	22 724	23 003

4.18 Number of employees using computers in relation to pay-roll of employees working in enterprises having computer by region, percent

	2012	2013	2014	2015	2016	2017
Total	31.2	31.9	32.4	35.0	38.0	39.3
	29.9	30.4	31.2	32.5	35.1	35.5
Baku city						
Absheron economic region	20.4	21.0	21.5	23.8	23.9	25.8
Khyzy region	25.2	25.5	26.0	26.7	27.6	28.5
Absheron region	14.9	15.8	16.5	17.2	19.1	19.6
Sumgait city	25.3	26.2	27.2	27.8	29.0	29.1
Ganja-Gazakh economic region	51.1	52.3	53.6	54.5	54.6	57.1
Ganja city	48.5	50.1	50.5	54.7	58.3	58.6
Gazakh region	60.8	61.6	62.4	64.8	67.5	67.2
Agstafa region	47.1	48.4	50.7	53.2	54.8	55.7
Tovuz region	47.7	48.6	49.8	53.1	58.3	59.0
Shamkir region	50.3	52.6	53.3	54.7	56.2	56.1
Gedabey region	28.3	28.4	29.0	30.9	32.6	33.3
Dashkesen region	37.4	37.4	38.2	40.0	41.7	41.5
Samukh region	36.9	37.4	38.5	40.3	41.6	42.1
Goygol region	26.9	30.7	30.8	32.9	34.2	34.7
Goranboy region	83.7	84.1	84.6	86.4	87.2	85.3
Naftalan city	43.2	46.6	47.2	45.8	47.2	47.8
Sheki-Zagatala economic region	25.0	27.9	29.6	36.7	37.1	40.4
Balaken region	34.8	34.5	35.6	35.8	37.6	38.4
Zagatala region	32.3	37.5	39.3	47.9	50.4	51.0
Gakh region	35.7	36.5	39.3	40.4	42.8	43.2
Sheki city	20.3	22.9	23.4	25.4	26.8	27.4
Oghuz region	35.3	35.8	39.8	40.7	45.0	46.2
Gabala region	48.6	49.4	63.3	63.9	65.4	65.4
Lankaran economic region	37.9	38.4	38.7	40.7	40.8	43.0
Astara region	20.4	21.0	21.4	21.7	21.9	22.5
Lankaran city	15.6	17.3	18.9	20.9	22.5	22.8
Lerik region	82.4	82.5	82.7	82.8	85.4	82.1

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	2012	2013	2014	2015	2016	2017
Yardmyly region	76.1	76.5	76.9	77.3	77.9	77.5
Masally region	50.5	53.5	53.7	53.8	54.4	57.3
Jalilabad region	74.5	75.3	75.8	75.9	77.6	79.9
Guba-Khachmaz economic region	23.0	29.4	30.1	31.8	36.6	42.0
Gusar region	21.4	28.6	33.2	34.1	34.8	42.2
Khachmaz region	26.6	26.8	25.2	25.8	27.0	35.4
Guba region	47.9	61.0	61.9	62.3	63.1	64.7
Shabran region	14.6	17.5	18.5	20.7	23.9	26.5
Siyazan region	15.7	17.6	18.8	22.4	24.4	26.1
Aran economic region	28.5	37.7	39.2	39.7	40.0	43.3
Goychay region	28.2	29.8	33.1	33.9	35.0	36.3
Beylagan region	17.8	17.9	18.7	19.4	21.8	24.9
Agjabedi region	72.1	72.3	73.1	74.0	74.1	73.9
Barda region	18.5	19.3	23.1	28.0	28.2	30.5
Neftchala region	14.3	23.1	27.9	29.8	31.0	33.9
Bilasovar region	11.9	16.8	19.2	20.2	21.3	24.0
Salyan region	80.0	80.2	80.6	81.1	75.5	77.4
Yevlakh city	43.4	43.8	45.5	45.8	46.3	50.2
Mingechevir city	20.0	27.4	31.0	34.4	35.3	39.2
Agdash region	15.0	16.2	18.9	22.5	23.9	26.2
Ujar region	44.3	44.8	45.9	45.8	46.0	48.5
Zardab region	7.8	18.3	20.0	20.2	21.1	24.1
Kurdamir region	30.0	36.8	38.8	38.8	40.0	44.7
Imishly region	47.0	49.4	50.2	51.2	52.0	54.9
Saatly region	46.9	52.1	61.7	62.4	63.1	66.4
Sabirabad region	46.0	46.9	47.8	48.4	48.9	51.6
Hajigabul region	38.2	38.7	40.1	42.0	42.6	47.2
Shirvan city	24.0	24.5	26.1	26.7	27.4	32.1
Yukhari-Garabagh economic region	25.8	29.6	31.7	32.7	32.9	37.1
Jabrail region	12.1	25.5	25.5	26.4	32.6	33.0
Fuzuli region	7.8	12.4	12.7	13.1	15.4	20.9
Agdam region	33.7	33.9	35.5	36.4	39.2	40.7
Terter region	20.6	20.8	21.0	25.0	27.9	31.7

... continued

	2012	2013	2014	2015	2016	2017
Khojaly region	47.9	48.2	48.7	51.8	53.4	54.2
Shusha region	56.5	56.2	56.6	58.6	60.2	58.3
Khojavend region	45.4	45.9	46.4	48.9	50.3	51.0
Kalbajar-Lachin economic region	68.6	68.7	69.4	70.0	65.0	65.1
Kalbajar region	38.4	38.5	39.4	45.5	46.5	49.5
Lachin region	72.3	72.4	73.3	63.9	65.1	63.8
Gubadly region	66.8	67.3	68.2	71.1	70.3	67.7
Zangilan region	82.6	81.8	81.9	79.0	81.7	78.3
Daghlig Shirvan economic region	31.7	31.9	38.4	45.2	45.4	49.9
Gobustan region	26.1	29.9	35.2	36.0	37.2	38.5
Ismayilly region	63.4	64.9	65.2	67.2	70.3	68.3
Agsu region	44.6	45.7	46.0	46.1	48.5	49.4
Shamakhy region	21.2	24.9	29.7	32.9	36.0	36.7
Nakhchivan Autonomus Republic	55.6	55.9	56.0	57.1	58.3	59.7

4.19 Number of employees using computer in relation to pay-roll of employees working in operating enterprises by kinds of economic activity, percent

	2012	2013	2014	2015	2016	2017
Total	18.5	21.6	23.2	28.0	29.6	30.7
	21.9	24.7	27.0	28.2	33.0	33.5
Baku city						
Absheron economic region	11.1	12.8	14.0	14.5	18.7	19.8
Khyzy region	16.5	17.6	18.5	19.1	22.5	24.8
Absheron region	10.8	11.4	11.5	12.0	15.0	16.2
Sumgait city	11.5	13.8	15.2	15.5	20.5	21.4
Ganja-Gazakh economic region	21.2	25.1	25.7	28.9	36.3	37.8
Ganja city	28.9	30.2	31.6	32.3	36.6	37.0
Gazakh region	37.0	39.6	40.3	42.5	44.5	47.5
Agstafa region	12.1	12.3	13.4	14.4	19.3	20.7
Tovuz region	13.9	19.5	22.7	23.6	28.9	29.7
Shamkir region	25.6	29.0	34.2	36.3	86.5	84.2
Gedabey region	7.6	7.7	8.0	8.7	10.7	13.5
Dashkesen region	22.9	23.3	23.9	25.6	31.9	37.3
Samukh region	23.5	24.3	24.9	25.7	29.5	29.6
Goygol region	8.2	12.5	18.6	20.3	23.8	24.1
Goranboy region	28.4	35.5	36.1	36.4	39.5	40.6
Naftalan city	22.6	24.6	26.5	27.1	29.4	29.5
Sheki-Zagatala economic region	9.0	13.6	14.5	16.2	19.4	20.6
Balaken region	8.9	13.2	16.4	17.7	21.8	22.1
Zagatala region	9.5	14.1	14.2	15.4	19.9	20.3
Gakh region	14.8	15.1	15.9	16.0	18.9	24.1
Sheki city	7.8	12.6	12.8	14.7	17.0	17.3
Oghuz region	9.6	13.1	14.1	14.4	17.2	21.0
Gabala region	11.9	14.9	19.4	20.1	22.6	22.9
Lankaran economic region	14.0	17.2	18.2	20.6	23.9	25.8
Astara region	7.8	8.6	10.3	11.1	13.4	15.0
Lankaran city	9.8	13.4	14.4	15.1	18.4	20.1
Lerik region	21.0	22.1	24.1	24.5	27.0	31.4

... continued

	2012	2013	2014	2015	2016	2017
Yardymly region	22.9	23.5	23.8	25.9	27.9	28.2
Masally region	22.3	24.4	25.7	26.9	29.3	29.4
Jalilabad region	21.3	22.3	22.5	24.4	29.3	34.0
Guba-Khachmaz economic region	13.1	19.1	21.8	22.4	26.1	26.5
Gusar region	13.6	22.7	23.6	25.2	27.2	27.5
Khachmaz region	10.9	13.4	14.2	15.5	19.0	19.3
Guba region	19.0	27.4	30.3	31.0	35.0	35.3
Shabran region	8.6	13.1	14.2	15.2	18.8	19.3
Siyazan region	8.7	11.5	18.4	20.3	24.0	24.6
Aran economic region	15.6	17.8	19.2	21.4	25.5	27.6
Goychay region	6.6	9.0	9.9	10.6	14.7	15.1
Beylagan region	9.3	9.4	10.4	10.8	14.1	16.7
Agjabedi region	24.2	24.3	24.7	25.8	28.1	34.5
Barda region	6.3	8.4	10.7	11.2	15.1	15.8
Neftchala region	13.8	21.5	23.8	25.1	28.0	34.6
Bilasuvur region	10.5	12.4	14.5	14.9	18.6	19.1
Salyan region	37.0	37.3	37.8	39.3	42.9	43.5
Yevlakh city	13.8	15.4	15.8	17.4	20.8	24.1
Mingechevir city	17.2	28.5	31.7	33.5	35.6	36.6
Agdash region	6.1	9.1	10.9	11.7	16.6	19.1
Ujar region	12.1	20.7	26.7	27.8	31.7	32.5
Zardab region	8.9	12.9	15.9	16.6	22.7	22.8
Kurdamir region	21.0	27.4	28.5	29.5	31.3	32.0
Imishly region	22.8	26.5	27.2	28.8	31.8	32.1
Saatly region	17.9	18.8	19.2	19.8	23.2	27.5
Sabirabad region	15.8	17.6	18.1	18.4	20.7	23.5
Hajigabul region	10.6	14.6	18.5	18.8	24.4	24.6
Shirvan city	14.5	19.7	20.4	20.9	25.0	25.2
Yukhari-Garabagh economic region	13.4	13.6	13.7	16.9	19.7	26.4
Jabrail region	4.2	5.8	8.5	8.7	9.9	14.0
Fuzuli region	9.7	9.5	9.6	10.2	13.0	19.8
Agdam region	9.1	13.6	15.2	16.6	18.8	26.6
Terter region	8.1	8.4	10.1	11.5	14.2	19.1

... continued

	2012	2013	2014	2015	2016	2017
Khojaly region	46.4	46.5	46.8	47.2	48.6	45.7
Shusha region	31.1	33.2	39.0	42.4	45.3	46.5
Khojavend region	40.8	40.8	41.0	44.7	47.5	47.7
Kalbajar-Lachin economic region	9.1	15.3	15.6	15.7	19.8	20.9
Kalbajar region	5.4	5.6	7.6	10.3	13.1	15.1
Lachin region	3.4	4.1	4.5	7.2	11.0	11.4
Gubadly region	16.6	19.8	21.4	24.1	27.3	27.6
Zangilan region	19.8	20.9	25.3	28.9	31.8	32.0
Daghlig Shirvan economic region	12.3	15.7	20.1	20.2	22.9	23.7
Gobustan region	7.7	11.5	14.3	15.0	18.9	20.5
Ismayilly region	18.2	28.3	32.3	33.0	35.2	35.6
Agsu region	13.9	15.4	19.1	20.0	22.0	22.6
Shamakhy region	7.1	10.6	12.1	12.9	15.0	15.7
Nakhchivan Autonomus Republic	20.8	23.7	24.1	25.0	28.2	29.0

4.20 Distribution of employees using computers by gender, 2017

	Total, person	of which:		Total, in %	of which:	
		men	women		men	women
Total	293 951	151 137	142 814	100.0	51.4	48.6
	167 486	91 112	76 374	100.0	54.4	45.6
Baku city (with settlements)						
Absheron economic region	9 092	4 117	4 975	100.0	45.3	54.7
Khyzy region	328	214	114	100.0	65.2	34.8
Absheron region	2 436	1 359	1 077	100.0	55.8	44.2
Sumgait city	6 328	2 544	3 784	100.0	40.2	59.8
Ganja-Gazakh economic region	29 628	11 410	18 218	100.0	38.5	61.5
Ganja city	9 377	3 544	5 833	100.0	37.8	62.2
Gazakh region	3 257	1 524	1 733	100.0	46.8	53.2
Agstafa region	1 108	294	814	100.0	26.5	73.5
Tovuz region	2 498	1 065	1 433	100.0	42.6	57.4
Shamkir region	5 642	1 072	4 570	100.0	19.0	81.0
Gedabey region	709	566	143	100.0	79.8	20.2
Dashkesen region	788	297	491	100.0	37.7	62.3
Samukh region	1 229	430	799	100.0	35.0	65.0
Goygol region	808	415	393	100.0	51.4	48.6
Goranboy region	3 667	1 999	1 668	100.0	54.5	45.5
Naftalan city	545	204	341	100.0	37.4	62.6
Sheki-Zagatala economic region	6 938	3 133	3 805	100.0	45.2	54.8
Balaken region	1 025	264	761	100.0	25.8	74.2
Zagatala region	1 202	583	619	100.0	48.5	51.5
Gakh region	963	342	621	100.0	35.5	64.5
Sheki city	1 777	726	1 051	100.0	40.9	59.1
Oghuz region	642	369	273	100.0	57.5	42.5
Gabala region	1 329	849	480	100.0	63.9	36.1
Lankaran economic region	9 949	6 627	3 322	100.0	65.9	34.1
Astara region	706	524	182	100.0	74.2	25.8
Lankaran city	2 223	1 387	836	100.0	62.4	37.6
Lerik region	943	760	183	100.0	80.6	19.4

... continued

	Total, person	of which:		Total, in %	of which:	
		men	women		men	women
Yardymly region	926	466	460	100.0	50.3	49.7
Masally region	2 942	1 924	1 018	100.0	65.4	34.6
Jalilabad region	2 209	1 566	643	100.0	70.9	29.1
Guba-Khachmaz economic region	6 891	3 193	3 698	100.0	46.3	53.7
Gusar region	1 360	732	628	100.0	53.8	46.2
Khachmaz region	1 353	740	613	100.0	54.7	45.3
Guba region	2 897	1 219	1 678	100.0	42.1	57.9
Shabran region	580	231	349	100.0	39.8	60.2
Siyazan region	701	271	430	100.0	38.7	61.3
Aran economic region	29 279	14 270	15 009	100.0	48.7	51.3
Goychay region	882	549	333	100.0	62.2	37.8
Beylagan region	1 001	541	460	100.0	54.0	46.0
Agjabedi region	3 104	1 812	1 292	100.0	58.4	41.6
Barda region	1 071	481	590	100.0	44.9	55.1
Neftchala region	1 080	551	529	100.0	51.0	49.0
Bilasuvay region	843	526	317	100.0	62.4	37.6
Salyan region	3 971	1 718	2 253	100.0	43.3	56.7
Yevlakh city	1 628	822	806	100.0	50.5	49.5
Mingechevir city	3 336	918	2 418	100.0	27.5	72.5
Agdash region	805	227	578	100.0	28.2	71.8
Ujar region	975	510	465	100.0	52.3	47.7
Zardab region	702	346	356	100.0	49.3	50.7
Kurdamir region	1 885	842	1 043	100.0	44.7	55.3
Imishly region	2 262	1 227	1 035	100.0	54.2	45.8
Saatly region	1 203	936	267	100.0	77.8	22.2
Sabirabad region	1 434	844	590	100.0	58.9	41.1
Hajigabul region	751	299	452	100.0	39.8	60.2
Shirvan city	2 346	1 121	1 225	100.0	47.8	52.2
Yukhari-Garabagh economic region	5 219	3 071	2 148	100.0	58.8	41.2
Jabrail region	402	247	155	100.0	61.4	38.6
Fuzuli region	794	557	237	100.0	70.2	29.8
Agdam region	1 533	1 026	507	100.0	66.9	33.1
Terter region	573	345	228	100.0	60.2	39.8

... continued

	Total, person	of which:		Total, in %	of which:	
		men	women		men	women
Khojaly region	430	210	220	100.0	48.8	51.2
Shusha region	977	403	574	100.0	41.2	58.8
Khojavend region	510	283	227	100.0	55.5	44.5
Kalbajar-Lachin economic region	2 454	1 189	1 265	100.0	48.5	51.1
Kalbajar region	515	359	156	100.0	69.7	30.3
Lachin region	332	199	133	100.0	59.9	40.1
Gubadly region	778	474	304	100.0	60.9	39.1
Zangilan region	829	157	672	100.0	18.9	81.1
Daghligh Shirvan economic region	4 012	2 434	1 578	100.0	60.7	39.3
Gobustan region	431	310	121	100.0	71.9	28.1
Ismayilly region	1 773	885	888	100.0	49.9	50.1
Agsu region	865	630	235	100.0	72.8	27.2
Shamakhy region	943	609	334	100.0	64.6	35.4
Nakhchivan Autonomus Republic	23 003	10 581	12 422	100.0	46.0	54.0

4.21 Enterprises with Internet access by kinds of activity, unit

	2012	2013	2014	2015	2016	2017
Total	7 749	8 372	9 288	9 712	9 787	9 892
of which:						
Mining	107	138	140	155	156	158
Manufacturing	730	785	791	852	855	865
Electricity, gas and steam production, distribution and supply	162	170	175	179	180	184
Water supply; waste treatment and disposal	119	135	140	156	163	165
Construction	721	771	838	847	843	848
Trade: repair of transport means	845	858	865	889	895	908
Transportation and storage	300	306	363	395	409	411
Accommodation and food service activities	90	104	119	133	138	143
Information and communication	341	362	407	448	432	436
Financial and insurance activities	807	958	962	985	981	978
Real estate activities	87	91	167	188	190	201
Professional, scientific and technical activities	686	694	753	780	786	790
Administrative and support service activities	218	222	295	315	324	329
Public administration and defence; social security	892	1 001	1 287	1 309	1 323	1 335
Education	693	784	869	891	895	907
Human health and social work activities	399	414	485	498	519	525
Arts, entertainment and recreation	188	198	240	263	266	271
Other service activities	364	381	392	429	432	438

4.22 Share of enterprises with Internet access in total number of enterprises using computer by kinds of economic activity, percent

	2012	2013	2014	2015	2016	2017
Total	71.6	72.6	78.1	80.3	80.3	80.6
of which:						
Mining	85.6	85.7	84.8	92.3	93.4	95.8
Manufacturing	83.1	83.2	83.3	89.2	89.2	89.8
Electricity, gas and steam production, distribution and supply	91.0	91.4	93.6	95.7	97.8	98.9
Water supply; waste treatment and disposal	77.8	78.0	80.0	88.1	88.1	88.2
Construction	79.8	82.8	85.8	86.6	85.6	85.6
Trade: repair of transport means	91.4	92.1	92.6	92.8	93.1	93.4
Transportation and storage	75.2	75.7	84.8	89.0	90.3	89.7
Accommodation and food service activities	67.2	74.8	81.5	91.1	91.4	89.9
Information and communication	86.3	88.1	89.3	95.1	90.0	90.1
Financial and insurance activities	82.8	88.2	87.3	87.3	87.6	88.2
Real estate activities	73.7	70.5	86.5	90.0	88.0	88.2
Professional, scientific and technical activities	72.0	72.4	78.4	79.9	80.1	80.3
Administrative and support service activities	69.3	69.4	82.4	84.5	86.4	85.7
Public administration and defence; social security	41.4	41.4	52.9	53.3	53.3	53.6
Education	94.6	94.5	96.1	96.3	95.7	96.1
Human health and social work activities	75.1	76.4	87.5	88.8	92.0	92.4
Arts, entertainment and recreation	59.3	61.5	72.9	78.4	80.1	81.4
Other service activities	60.7	59.3	60.7	65.8	66.1	66.4

4.23 Share of enterprises with Internet access in total number of all enterprises, percent

	2012	2013	2014	2015	2016	2017
Total	40.9	42.2	45.7	48.0	51.6	52.5
of which:						
Mining	38.2	47.7	49.4	50.0	50.3	52.7
Manufacturing	46.8	50.3	51.1	52.6	52.8	53.4
Electricity, gas and steam production, distribution and supply	74.3	76.4	76.8	78.2	76.6	78.3
Water supply; waste treatment and disposal	55.6	59.2	59.2	61.7	60.4	61.1
Construction	36.5	38.5	46.5	47.0	47.1	48.2
Trade; repair of transport means	55.3	58.9	59.5	61.4	61.6	62.5
Transportation and storage	44.6	45.8	53.2	54.3	54.5	56.3
Accommodation and food service activities	45.2	46.3	46.5	46.7	46.8	48.5
Information and communication	75.3	78.3	78.5	79.3	78.5	79.3
Financial and insurance activities	75.4	84.1	87.4	87.7	86.1	85.8
Real estate activities	29.2	34.0	33.6	34.5	34.9	36.9
Professional, scientific and technical activities	49.7	50.2	51.4	52.7	52.4	52.7
Administrative and support service activities	29.1	32.0	39.7	41.7	42.1	42.7
Public administration and defence; social security	24.4	30.2	34.0	35.7	36.2	37.0
Education	67.3	68.7	69.6	70.8	68.8	69.8
Human health and social work activities	57.2	58.0	60.2	61.3	61.4	62.1
Arts, entertainment and recreation	35.4	38.8	41.0	41.7	42.0	43.1
Other service activities	23.9	27.2	33.5	35.2	33.2	33.7

4.24 Enterprises with Internet access by regions, unit

	2012	2013	2014	2015	2016	2017
Total	7 749	8 372	9 288	9 712	9 787	9 892
	4 508	4 468	4 951	5 039	5 044	5 062
Baku city (with settlements)						
Absheron economic region	332	382	398	413	419	424
Khyzy region	24	28	31	39	40	43
Absheron region	109	126	128	129	132	134
Sumgait city	199	228	239	245	247	247
Ganja-Gazakh economic region	552	673	780	808	817	831
Ganja city	222	243	280	284	287	288
Gazakh region	42	56	62	63	64	66
Agstafa region	30	33	42	42	43	44
Tovuz region	50	64	70	72	74	76
Shamkir region	41	43	55	62	61	63
Gedabey region	25	49	52	53	54	54
Dashkesen region	20	20	23	26	26	26
Samukh region	27	30	46	52	54	56
Goygol region	31	39	44	46	47	49
Goranboy region	40	65	73	74	72	73
Naftalan city	24	31	33	34	35	36
Sheki-Zagatala economic region	366	432	465	530	533	538
Balaken region	47	52	54	63	65	67
Zagatala region	91	116	120	126	125	124
Gakh region	46	49	59	66	66	68
Sheki city	104	125	127	136	134	133
Oghuz region	32	40	43	53	55	56
Gabala region	46	50	62	86	88	90
Lankaran economic region	232	317	368	425	431	437
Astara region	31	69	72	73	74	76
Lankaran city	98	101	110	135	137	139
Lerik region	18	19	29	31	32	31

... continued

	2012	2013	2014	2015	2016	2017
Yardymly region	25	26	36	40	41	43
Masally region	24	57	72	90	91	90
Jalilabad region	36	45	49	56	56	58
Guba-Khachmaz economic region	223	276	283	312	314	320
Gusar region	34	37	39	45	46	48
Khachmaz region	54	65	68	80	79	80
Guba region	76	92	94	94	94	96
Shabran region	27	39	39	44	45	44
Siyazan region	32	43	43	49	50	52
Aran economic region	778	937	1 066	1 142	1 157	1 173
Goychay region	54	55	57	58	60	61
Beylagan region	39	48	58	67	67	68
Agjabedi region	29	34	40	41	44	43
Barda region	38	43	57	58	56	55
Neftchala region	25	39	44	45	47	50
Bilasuvar region	40	70	74	75	76	75
Salyan region	38	52	71	78	77	80
Yevlakh city	46	53	60	67	70	70
Mingechevir city	95	105	109	109	112	113
Agdash region	38	42	44	44	45	48
Ujar region	28	28	42	55	56	55
Zardab region	29	33	35	42	44	45
Kurdamir region	26	31	39	40	40	41
Imishly region	37	51	61	67	67	66
Saatly region	24	41	51	62	64	66
Sabirabad region	66	73	75	75	76	78
Hajigabul region	30	38	43	48	45	47
Shirvan city	96	101	106	111	111	112
Yukhari-Garabagh economic region	128	192	201	211	215	221
Jabrail region	14	17	17	18	18	20
Fuzuli region	20	39	41	43	42	43
Agdam region	12	35	38	38	41	42
Terter region	27	33	33	35	37	39

... continued

	2012	2013	2014	2015	2016	2017
Khojaly region	12	18	19	19	19	21
Shusha region	19	19	20	25	26	25
Khojavend region	24	31	33	33	32	31
Kalbajar-Lachin economic region	52	76	87	100	102	108
Kalbajar region	14	15	23	27	26	27
Lachin region	11	19	20	21	22	24
Gubadly region	17	22	23	27	28	30
Zangilan region	10	20	21	25	26	27
Daghligh Shirvan economic region	153	176	207	233	235	239
Gobustan region	31	32	33	37	40	40
Ismayilly region	58	70	92	103	101	103
Agsu region	25	33	39	48	48	51
Shamakhy region	39	41	43	45	46	45
Nakhchivan Autonomus Republic	425	443	482	499	520	539

4.25 Share of enterprises with Internet access in total number of enterprises used computers by kinds of activity, percent

	2012	2013	2014	2015	2016	2017
Total	71.6	72.6	78.1	80.3	80.3	80.6
	78.4	78.5	83.3	84.6	84.6	84.8
Baku city (with settlements)						
Absheron economic region	80.4	85.5	88.2	90.2	91.1	90.8
Khyzy region	53.3	59.6	64.6	81.3	80.0	81.1
Absheron region	75.7	84.6	85.3	82.7	83.5	83.8
Sumgait city	88.8	90.8	94.5	96.5	98.0	97.2
Ganja-Gazakh economic region	66.7	75.6	86.1	86.0	85.5	84.7
Ganja city	77.4	83.8	95.6	93.7	94.1	93.5
Gazakh region	60.0	76.7	82.7	81.8	82.1	82.5
Agstafa region	68.2	60.0	73.7	72.4	71.7	73.3
Tovuz region	79.4	88.9	94.6	90.0	90.2	89.4
Shamkir region	73.2	67.2	84.6	89.9	85.9	85.1
Gedabey region	31.3	59.8	63.4	62.4	62.1	59.3
Dashkesen region	74.1	64.5	71.9	78.8	81.3	81.3
Samukh region	47.4	50.8	75.4	85.2	85.7	86.2
Goygol region	86.1	86.7	97.8	95.8	94.0	90.7
Goranboy region	52.6	76.5	83.9	82.2	79.1	77.7
Naftalan city	77.4	91.2	94.3	94.4	97.2	94.7
Sheki-Zagatala economic region	62.5	70.6	75.2	84.0	83.3	83.8
Balaken region	70.1	76.5	78.3	87.5	87.8	89.3
Zagatala region	55.8	91.3	94.5	97.7	98.4	96.1
Gakh region	59.0	61.3	72.8	79.5	77.6	80.0
Sheki city	65.4	74.0	74.7	79.1	77.0	78.4
Oghuz region	62.7	75.5	79.6	96.4	96.5	94.9
Gabala region	65.8	43.5	53.0	71.7	71.5	72.6
Lankaran economic region	55.5	62.4	70.8	79.1	78.6	78.3
Astara region	60.8	77.5	80.0	80.2	79.6	80.0
Lankaran city	60.5	60.5	65.5	77.6	77.4	77.2
Lerik region	33.3	33.9	51.8	53.4	56.1	56.1

... continued

	2012	2013	2014	2015	2016	2017
Yardymly region	75.8	68.4	92.3	95.2	95.3	93.3
Masally region	53.3	67.9	80.9	98.9	95.8	92.8
Jalilabad region	49.3	60.8	62.8	69.1	67.5	69.0
Guba-Khachmaz economic region	56.0	64.6	64.6	69.0	68.7	69.3
Gusar region	47.9	49.3	50.0	57.7	57.5	60.0
Khachmaz region	52.9	59.1	59.6	66.1	63.7	63.5
Guba region	62.8	69.7	70.1	69.6	68.6	68.6
Shabran region	49.1	68.4	67.2	72.1	76.3	74.6
Siyazan region	65.3	81.1	79.6	86.0	87.7	91.2
Aran economic region	59.9	61.9	68.7	71.2	71.0	70.9
Goychay region	74.0	66.3	67.1	66.7	66.7	67.8
Beylagan region	61.9	37.5	43.9	48.9	49.6	49.6
Agjabedi region	29.6	31.5	36.0	35.7	38.3	37.7
Barda region	65.5	68.3	89.1	89.2	84.8	82.1
Neftchala region	43.9	63.9	69.8	69.2	70.1	70.4
Bilasuvar region	61.5	68.6	71.2	70.1	69.1	70.1
Salyan region	54.3	57.8	76.3	79.6	76.2	76.9
Yevlakh city	67.6	72.6	78.9	85.9	88.6	87.5
Mingechevir city	78.5	82.7	85.2	83.8	83.6	83.7
Agdash region	40.9	43.3	44.9	44.0	46.4	50.5
Ujar region	41.2	38.4	57.5	73.3	75.7	69.6
Zardab region	85.3	86.8	87.5	95.5	97.8	95.7
Kurdamir region	59.1	63.3	73.6	74.1	71.4	71.9
Imishly region	48.7	59.3	68.5	71.3	69.8	67.3
Saatly region	32.9	49.4	60.0	71.3	72.7	75.9
Sabirabad region	59.2	93.6	93.8	89.3	88.4	87.6
Hajigabul region	53.6	62.3	70.5	75.0	67.2	68.1
Shirvan city	88.9	88.6	91.4	91.7	90.2	87.5
Yukhari-Garabagh economic region	44.6	57.5	58.6	58.3	59.1	60.4
Jabrail region	82.4	85.0	85.0	75.0	72.0	74.1
Fuzuli region	52.6	84.8	85.4	78.2	73.7	72.9
Agdam region	12.8	34.7	36.9	35.8	39.4	41.2
Tertter region	39.7	43.4	42.9	44.3	46.3	48.8

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	2012	2013	2014	2015	2016	2017
Khojaly region	30.0	75.0	76.0	76.0	73.1	76.9
Shusha region	54.3	54.3	55.6	65.8	68.4	71.1
Khojavend region	52.3	96.9	97.1	94.3	94.1	88.2
Kalbajar-Lachin economic region	46.8	39.0	43.5	48.5	50.0	52.9
Kalbajar region	48.3	44.1	63.9	71.1	68.4	67.5
Lachin region	61.1	33.9	35.7	36.2	38.6	42.1
Gubadly region	85.9	36.7	37.7	43.5	45.9	50.0
Zangilan region	39.3	44.4	44.7	52.1	54.2	57.4
Daghlig Shirvan economic region	48.7	53.2	61.2	66.2	65.8	66.4
Gobustan region	63.6	64.0	64.7	67.3	71.4	70.2
Ismayilly region	49.6	56.0	72.4	78.6	75.9	77.4
Agsu region	48.1	61.1	69.6	80.0	76.2	78.5
Shamakhy region	40.6	40.2	41.3	42.1	43.8	42.9
Nakhchivan Autonomus Republic	73.9	76.6	82.1	83.3	85.8	88.9

4.26 Share of enterprises with Internet access in total number of enterprises by regions, percent

	2012	2013	2014	2015	2016	2017
Total	40.9	42.4	45.7	48.0	51.6	52.5
Baku city (with settlements)	46.6	48.4	49.2	50.2	61.8	62.0
Absheron economic region	39.3	43.9	44.3	45.4	50.2	51.1
Khyzy region	38.7	42.9	43.4	44.3	50.0	51.2
Absheron region	38.6	42.0	43.1	43.3	48.0	48.7
Sumgait city	39.8	45.1	46.6	46.8	51.5	52.6
Ganja-Gazakh economic region	29.1	36.7	38.1	39.9	44.9	45.8
Ganja city	49.8	50.3	51.0	52.3	56.3	56.5
Gazakh region	28.3	28.4	31.4	31.5	35.6	36.7
Agstafa region	26.0	27.9	28.0	29.4	33.1	33.8
Tovuz region	26.7	38.6	43.4	43.6	47.4	48.7
Shamkir region	16.5	21.0	23.7	24.6	30.5	31.5
Gedabey region	20.5	50.4	50.7	51.5	56.8	57.4
Dashkesen region	20.9	25.0	25.9	27.1	30.6	32.5
Samukh region	26.7	30.6	33.7	34.7	38.6	40.0
Goygol region	21.6	30.2	31.8	32.9	39.2	40.8
Goranboy region	21.9	38.2	39.0	39.4	45.0	45.6
Naftalan city	58.5	77.5	78.1	79.1	79.5	81.8
Sheki-Zagatala economic region	36.1	43.7	43.7	43.8	49.6	51.5
Balaken region	38.7	44.1	44.9	46.0	50.0	51.5
Zagatala region	48.7	63.4	64.2	64.3	69.4	68.9
Gakh region	32.6	40.5	43.0	44.0	50.8	52.3
Sheki city	39.1	46.1	47.1	47.7	53.6	55.4
Oghuz region	36.6	45.1	46.4	47.3	52.4	53.3
Gabala region	20.7	22.7	24.6	26.0	31.4	34.6
Lankaran economic region	23.6	29.3	30.1	31.9	36.8	38.7
Astara region	26.9	27.8	28.9	29.8	35.2	38.0
Lankaran city	33.6	33.7	34.6	35.5	40.3	42.1
Lerik region	18.9	19.8	20.8	24.4	29.1	31.0

... continued

	2012	2013	2014	2015	2016	2017
Yardymly region	22.7	23.4	23.5	24.2	29.3	30.7
Masally region	14.5	35.9	36.4	37.2	41.4	42.9
Jalilabad region	24.0	30.4	31.0	32.6	37.3	38.7
Guba-Khachmaz economic region	30.8	39.0	39.9	40.3	44.5	45.3
Gusar region	22.4	27.3	27.7	29.4	32.9	34.3
Khachmaz region	28.0	31.9	32.9	35.1	38.5	39.0
Guba region	35.7	43.4	43.7	45.4	49.5	50.5
Shabran region	29.5	46.0	46.2	47.3	52.9	53.0
Siyazan region	40.5	57.1	51.9	52.7	58.1	58.4
Aran economic region	28.8	34.5	35.1	36.1	40.7	42.0
Goychay region	31.8	32.7	33.0	34.3	38.7	39.4
Beylagan region	20.6	32.6	35.2	36.0	40.6	41.2
Agjabedi region	17.1	18.6	20.6	21.2	25.9	28.5
Barda region	18.7	20.7	23.9	24.9	29.5	30.6
Neftchala region	20.6	21.1	35.2	35.4	39.2	41.0
Bilasuvay region	32.0	34.3	34.6	35.5	40.0	41.4
Salyan region	26.2	36.5	44.8	45.1	48.1	50.0
Yevlakh city	28.5	30.9	32.6	33.5	36.8	37.8
Mingechevir city	45.7	53.3	53.9	54.2	57.4	57.9
Agdash region	21.0	26.6	27.3	27.8	32.1	34.3
Ujar region	21.3	23.8	38.1	39.3	43.1	42.3
Zardab region	21.0	26.4	40.8	42.9	46.3	47.4
Kurdamir region	18.8	21.3	21.6	22.0	26.7	27.3
Imishly region	20.4	29.6	30.0	30.2	35.3	35.7
Saatly region	19.4	29.6	30.5	31.2	37.6	38.8
Sabirabad region	34.3	44.1	44.7	45.5	49.0	50.3
Hajigabul region	31.1	35.4	40.4	41.7	47.4	49.5
Shirvan city	54.1	54.8	56.3	56.9	61.7	62.2
Yukhari-Garabagh economic region	20.9	31.3	36.9	37.3	40.9	41.5
Jabrail region	22.2	26.2	27.3	31.0	36.0	38.5
Fuzuli region	14.6	28.6	29.3	33.1	36.5	37.4
Agdam region	11.4	26.2	28.9	33.6	37.3	38.2
Terter region	17.7	22.9	23.6	26.9	30.8	32.5

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	2012	2013	2014	2015	2016	2017
Khojaly region	25.3	58.6	58.7	63.3	65.5	63.6
Shusha region	28.1	34.6	35.9	39.7	43.3	41.7
Khojavend region	52.3	75.0	75.5	78.6	76.2	73.8
Kalbajar-Lachin economic region	18.3	34.8	36.0	36.9	40.0	41.5
Kalbajar region	17.9	19.2	21.4	22.9	28.9	30.0
Lachin region	13.4	35.0	36.4	37.5	44.0	46.2
Gubadly region	25.8	34.9	37.5	39.1	46.7	47.6
Zangilan region	17.0	38.9	40.4	41.7	47.3	49.1
Daghlig Shirvan economic region	26.9	27.5	33.6	34.3	40.5	41.2
Gobustan region	35.6	36.1	38.7	38.9	44.4	45.5
Ismayilly region	28.7	39.1	40.3	41.2	45.9	46.4
Agsu region	21.5	24.8	28.9	31.6	36.9	37.8
Shamakhy region	23.9	25.1	26.0	26.5	32.9	33.3
Nakhchivan Autonomus Republic	47.6	47.9	48.5	50.4	52.5	53.9

4.27 Number of computers with Internet access in enterprises by kinds of activity

	2012	2013	2014	2015	2016	2017
Total	116 112	137 530	154 130	166 191	166 960	169 665
of which:						
Mining	3 629	3 656	4 153	4 156	4 193	4 212
Manufacturing	5 854	6 363	6 678	7 499	7 549	7 704
Electricity, gas and steam production, distribution and supply	2 238	2 375	2 707	3 100	3 129	3 161
Water supply; waste treatment and disposal	639	1 043	1 101	1 177	1 239	1 291
Construction	6 647	7 574	7 715	7 721	7 752	7 713
Trade; repair of transport means	5 854	6 836	7 469	7 880	7 907	8 168
Transportation and storage	3 608	3 625	4 623	6 406	6 447	6 721
Accommodation and food service activities	661	695	809	1 450	1 502	1 672
Information and communication	9 092	10 070	10 274	10 576	10 577	10 591
Financial and insurance activities	14 361	18 817	18 860	18 862	18 895	18 853
Real estate activities	497	665	764	853	902	1 055
Professional, scientific and technical activities	8 695	9 376	10 979	11 000	11 044	11 133
Administrative and support service activities	1 812	1 920	2 975	2 984	2 990	3 217
Public administration and defence; social security	26 297	32 569	37 697	38 085	38 158	38 311
Education	20 382	25 153	29 123	34 772	34 907	35 250
Human health and social work activities	2 578	2 876	3 844	4 639	4 668	5 043
Arts, entertainment and recreation	1 575	1 971	2 429	2 678	2 715	3 075
Other service activities	1 693	1 946	1 930	2 353	2 386	2 495

4.28 Share of computers with Internet access in enterprises in total number of computers by kinds of activity

	2012	2013	2014	2015	2016	2017
Total	57.8	60.7	60.8	63.8	63.9	64.5
of which:						
Mining	65.7	66.0	68.9	68.5	68.9	69.3
Manufacturing	60.7	61.4	61.2	66.5	66.9	67.8
Electricity, gas and steam production, distribution and supply	57	57.5	61.4	64.6	65.1	65.7
Water supply; waste treatment and disposal	75.8	74.9	78.4	78.8	76.6	78.1
Construction	77.1	78.7	80.1	79.6	79.9	79.4
Trade; repair of transport means	81.0	79.8	79.2	82.6	80.7	80.7
Transportation and storage	46.5	46.4	48.5	59.0	58.8	60.5
Accommodation and food service activities	76.9	79.3	69.9	89.7	86.6	88.8
Information and communication	61.2	66.5	61.9	62.3	62.3	62.3
Financial and insurance activities	72.2	74.9	71.8	70.6	70.7	70.6
Real estate activities	40.4	48.7	48.5	51.2	53.7	60.5
Professional, scientific and technical activities	67.4	68.3	64.8	64.4	64.5	64.8
Administrative and support service activities	53.1	55.0	84.7	83.1	82.4	87.3
Public administration and defence; social security	91.9	99.8	98.9	98.2	98.1	97.9
Education	31.3	33.3	35.4	41.7	41.8	42.1
Human health and social work activities	48.3	47.9	54.9	59.6	59.7	62.0
Arts, entertainment and recreation	54.5	65.9	32.7	42.8	43.0	48.2
Other service activities	74.5	85.4	72.4	87.6	88.2	89.5

4.29 Enterprises having computers with Internet access by regions, unit

	2012	2013	2014	2015	2016	2017
Total	116 112	137 530	154 130	166 191	166 960	169 665
Baku city (with settlements)	85 639	99 556	109 396	117 657	117 752	117 903
Absheron economic region	4 535	5 280	5 811	5 885	5 916	5 981
Khyzy region	83	86	133	138	144	151
Absheron region	1 626	1 920	2 108	2 162	2 173	2 200
Sumgait city	2 826	3 274	3 570	3 585	3 599	3 630
Ganja-Gazakh economic region	6 185	7 817	9 286	9 648	9 708	9 981
Ganja city	3 873	4 462	5 160	5 199	5 213	5 247
Gazakh region	280	289	322	354	356	393
Agstafa region	279	282	323	363	372	385
Tovuz region	256	558	650	713	717	748
Shamkir region	351	382	868	918	921	972
Gedabey region	184	240	241	256	261	267
Dashkesen region	62	81	115	136	136	149
Samukh region	277	313	350	399	404	431
Goygol region	129	623	626	646	657	662
Goranboy region	308	358	395	417	420	452
Naftalan city	186	229	236	247	251	275
Sheki-Zagatala economic region	2 218	2 719	3 267	3 494	3 543	3 662
Balaken region	166	212	238	246	252	286
Zagatala region	317	474	547	615	628	657
Gakh region	190	195	251	275	278	282
Sheki city	998	1 089	1 125	1 145	1 154	1 178
Oghuz region	172	218	245	288	295	300
Gabala region	375	531	861	925	936	959
Lankaran economic region	1 697	2 571	3 182	3 707	3 758	3 988
Astara region	325	477	586	778	789	832
Lankaran city	671	775	885	992	1 010	1 033
Lerik region	107	115	157	159	156	155

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	2012	2013	2014	2015	2016	2017
Yardymly region	66	71	122	169	176	258
Masally region	318	843	1 125	1 215	1 223	1 268
Jalilabad region	210	290	307	394	404	442
Guba-Khachmaz economic region	1 685	2 034	2 747	2 978	3 007	3 156
Gusar region	329	388	558	598	605	637
Khachmaz region	334	392	481	491	502	538
Guba region	500	659	1 009	1 068	1 077	1 104
Shabran region	219	240	310	403	399	418
Siyazan region	303	355	389	418	424	459
Aran economic region	6 666	8 418	9 592	10 878	10 974	11 497
Goychay region	548	638	683	688	696	732
Beylagan region	468	534	601	700	707	727
Agjabedi region	209	270	307	315	319	349
Barda region	493	596	706	929	935	973
Neftchala region	113	127	196	208	212	238
Bilasuvur region	432	458	513	662	669	701
Salyan region	473	880	932	1 051	1 057	1 083
Yevlakh city	274	324	362	454	462	509
Mingechevir city	1 041	1 149	1 307	1 336	1 354	1 406
Agdash region	199	255	293	306	297	340
Ujar region	126	156	268	316	323	346
Zardab region	102	234	364	465	462	469
Kurdamir region	371	440	495	507	512	544
Imishly region	471	602	646	661	659	676
Saatly region	96	146	193	256	260	273
Sabirabad region	345	402	451	453	462	480
Hajigabul region	223	335	375	385	394	430
Shirvan city	682	872	900	1 186	1 194	1 221
Yukhari-Garabagh economic region	433	736	989	1 115	1 135	1 226
Jabrail region	67	84	87	97	101	127
Fuzuli region	82	175	209	271	273	298
Agdam region	39	118	246	261	266	271
Tertter region	81	85	96	102	106	109

... continued

	2012	2013	2014	2015	2016	2017
Khojaly region	24	38	55	62	63	89
Shusha region	64	120	172	192	196	193
Khojavend region	76	116	124	130	130	139
Kalbajar-Lachin economic region	290	385	617	695	698	846
Kalbajar region	53	62	116	116	118	153
Lachin region	91	105	235	239	235	232
Gubadly region	103	129	164	200	202	269
Zangilan region	43	89	102	140	143	192
Daghlig Shirvan economic region	1 014	1 450	1 792	2 124	2 148	2 225
Gobustan region	96	100	125	176	182	187
Ismayilly region	454	652	869	995	1 002	1 058
Agsu region	231	319	375	419	423	430
Shamakhy region	233	379	423	534	541	550
Nakhchivan Autonomus Republic	5 750	6 564	7 451	8 010	8 321	9 200

4.30 Share of computers with Internet access in enterprises in total number of all computers by regions, percent

	2012	2013	2014	2015	2016	2017
Total	57.8	60.7	60.8	63.8	63.9	64.5
Baku city (with settlements)	68.1	70.5	69.6	73.2	73.2	73.2
Absheron economic region	51.1	47.6	43.5	43.9	44.1	44.5
Khyzy region	39.2	36.6	53.6	52.5	54.3	57.0
Absheron region	61.9	67.0	67.0	68.5	68.6	69.2
Sumgait city	46.8	41.0	35.8	35.9	36.1	36.3
Ganja-Gazakh economic region	44.0	50.2	53.7	53.6	53.7	54.8
Ganja city	63.4	67.9	70.8	70.1	70.1	70.3
Gazakh region	29.2	29.6	31.0	31.5	31.4	34.6
Agstafa region	39.0	38.0	36.9	38.6	39.1	39.3
Tovuz region	22.4	43.1	43.0	44.9	45.0	46.3
Shamkir region	22.8	21.7	45.3	46.3	46.3	48.3
Gedabey region	19.6	23.9	21.8	21.9	22.2	22.6
Dashkesen region	21.5	25.1	26.7	29.7	29.4	32.6
Samukh region	54.1	58.3	58.7	61.7	61.6	65.5
Goygol region	23.9	65.2	58.1	55.0	55.7	56.3
Goranboy region	30.8	34.7	37.5	38.2	38.3	41.0
Naftalan city	57.8	61.2	59.6	59.1	59.8	64.7
Sheki-Zagatala economic region	33.6	35.0	39.3	40.3	40.7	41.8
Balaken region	19.6	21.3	20.8	20.8	21.1	23.7
Zagatala region	24.2	33.3	36.1	39.7	40.4	42.0
Gakh region	28.3	28.1	31.8	34.1	34.1	34.6
Sheki city	46.5	37.4	38.6	38.1	38.2	38.8
Oghuz region	30.9	36.3	37.2	38.7	39.8	40.4
Gabala region	35.3	46.5	66.8	67.4	67.6	68.8
Lankaran economic region	23.8	31.2	34.6	40.1	40.4	42.3
Astara region	34.0	40.4	43.8	55.9	56.3	59.0
Lankaran city	27.9	26.8	26.8	32.5	32.8	33.3
Lerik region	13.6	14.7	19.7	17.5	17.1	16.5

... continued

	2012	2013	2014	2015	2016	2017
Yardymly region	13.4	12.3	19.1	23.8	24.5	34.9
Masally region	23.8	51.3	60.3	66.8	66.8	68.8
Jalilabad region	18.4	24.8	24.6	28.7	29.4	31.8
Guba-Khachmaz economic region	35.2	39.1	46.3	48.9	49.0	50.7
Gusar region	32.6	34.6	41.5	43.7	44.1	45.9
Khachmaz region	28.2	32.5	38.7	38.8	39.5	41.5
Guba region	31.9	38.0	50.3	51.6	51.7	52.3
Shabran region	42.1	41.2	46.5	56.0	55.1	56.3
Siyazan region	60.4	64.3	58.4	62.3	62.2	67.0
Aran economic region	37.8	43.7	44.7	47.9	48.2	49.8
Goychay region	46.8	52.6	52.3	50.3	50.8	53.7
Beylagan region	60.1	59.5	59.1	63.8	64.9	64.6
Agjabedi region	18.7	22.1	23.3	22.4	22.6	24.5
Barda region	38.0	40.5	43.0	54.3	54.6	56.6
Neftchala region	21.9	25.1	36.4	32.5	32.7	35.2
Bilasuvur region	51.1	53.2	49.4	59.4	59.7	61.3
Salyan region	41.4	66.5	66.4	71.5	71.7	72.4
Yevlakh city	25.8	29.8	30.0	34.6	35.0	38.7
Mingechevir city	64.2	65.1	69.7	67.4	68.0	69.7
Agdash region	23.3	26.6	25.6	25.8	25.3	28.2
Ujar region	21.0	23.8	36.9	42.0	43.1	44.4
Zardab region	20.6	40.2	55.8	64.0	63.6	63.6
Kurdamir region	42.6	45.9	47.1	46.1	46.4	48.1
Imishly region	46.8	53.6	47.6	47.0	46.8	48.2
Saatly region	10.0	12.9	15.2	18.9	19.1	19.7
Sabirabad region	34.3	39.7	39.4	37.9	38.5	40.5
Hajigabul region	32.5	48.5	43.9	43.6	44.2	46.9
Shirvan city	42.2	48.4	47.1	58.9	58.8	59.2
Yukhari-Garabagh economic region	19.5	23.7	28.2	30.8	31.1	33.3
Jabrail region	21.1	25.6	23.3	24.8	25.6	32.2
Fuzuli region	15.0	29.8	33.5	42.0	41.8	44.7
Agdam region	15.5	13.0	25.4	26.4	27.0	28.4
Terter region	13.2	13.5	13.7	14.1	14.6	14.5

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	2012	2013	2014	2015	2016	2017
Khojaly region	17.6	26.2	35.0	36.7	36.2	48.9
Shusha region	29.5	35.4	34.4	37.5	38.1	37.1
Khojavend region	53.5	67.1	67.0	67.0	64.4	65.0
Kalbajar-Lachin economic region	22.6	22.9	34.9	37.8	37.9	45.0
Kalbajar region	19.1	22.1	38.0	36.1	35.9	44.5
Lachin region	38.6	30.5	64.2	62.7	61.2	60.6
Gubadly region	21.4	23.0	29.1	34.4	34.9	45.6
Zangilan region	14.9	17.9	19.2	25.3	25.9	34.2
Daghlig Shirvan economic region	30.7	39.2	39.2	45.4	45.9	47.1
Gobustan region	26.2	26.0	29.6	39.4	41.0	40.1
Ismayilly region	43.4	54.7	53.6	60.4	60.5	63.2
Agsu region	26.2	30.2	31.8	34.8	34.9	35.4
Shamakhy region	23.0	35.5	31.3	38.8	39.5	40.1
Nakhchivan Autonomus Republic	62.9	66.5	68.0	70.0	69.8	72.1

4.31 Distribution of enterprises connecting to Internet by number of employees, unit, 2017

	Total	of which by size class:				
		1-4	5-9	10-49	50-249	250 and more
Total	9 892	2 169	1 735	2 978	2 202	808
of which:						
Mining	158	36	22	44	23	33
Manufacturing	865	151	131	263	231	89
Electricity, gas and steam production, distribution and supply	184	2	2	28	135	17
Water supply; waste treatment and disposal	165	7	9	23	98	28
Construction	848	196	132	221	240	59
Trade: repair of transport means	908	...	276	428	144	60
Transportation and storage	411	79	57	119	115	41
Accommodation and food service activities	143	17	20	65	27	14
Information and communication	436	137	82	91	104	22
Financial and insurance activities	978	163	223	503	68	21
Real estate activities	201	70	35	67	19	10
Professional, scientific and technical activities	790	198	127	247	171	47
Administrative and support service activities	329	141	66	64	48	10
Public administration and defence; social security	1 335	580	274	268	183	30
Education	907	100	79	225	326	177
Human health and social work activities	525	46	65	160	153	101
Arts, entertainment and recreation	271	21	32	89	86	43
Other service activities	438	225	103	73	31	6

4.32 Number of employees using Internet by regions

	2012	2013	2014	2015	2016	2017
Total	148 287	172 714	202 025	212 003	217 243	220 928
Baku city (with settlements)	98 257	111 801	130 198	134 667	137 800	138 212
Absheron economic region	4 854	5 810	6 459	6 733	6 800	6 858
Khyzy region	83	97	172	175	185	189
Absheron region	1 188	1 467	1 807	2 066	2 087	2 112
Sumgait city	3 583	4 246	4 480	4 492	4 528	4 557
Ganja-Gazakh economic region	11 325	14 150	15 311	15 844	16 231	16 413
Ganja city	7 416	8 479	8 541	8 595	8 713	8 761
Gazakh region	404	591	625	659	700	700
Agstafa region	301	356	475	510	531	540
Tovuz region	488	996	1 112	1 176	1 197	1 212
Shamkir region	715	964	1 027	1 056	1 104	1 154
Gedabey region	235	354	468	492	534	531
Dashkesen region	73	94	137	164	172	190
Samukh region	679	844	940	972	994	1 007
Goygol region	178	398	634	743	779	798
Goranboy region	598	751	915	1 027	1 041	1 045
Naftalan city	238	323	437	450	466	475
Sheki-Zagatala economic region	2 514	3 302	3 933	4 170	4 469	4 640
Balaken region	241	307	371	386	468	487
Zagatala region	408	594	767	839	930	956
Gakh region	259	295	337	360	393	425
Sheki city	992	1 288	1 411	1 419	1 427	1 481
Oghuz region	164	219	251	286	296	306
Gabala region	450	599	796	880	955	985
Lankaran economic region	2 186	2 764	3 793	4 382	4 620	4 737
Astara region	132	225	289	392	433	447
Lankaran city	934	965	1 132	1 262	1 355	1 362
Lerik region	126	163	265	272	277	279

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	2012	2013	2014	2015	2016	2017
Yardymly region	129	162	271	370	390	410
Masally region	638	949	1 427	1 670	1 728	1 780
Jalilabad region	227	300	409	416	437	459
Guba-Khachmaz economic region	2 175	2 666	3 673	4 460	4 793	4 920
Gusar region	378	580	732	875	962	994
Khachmaz region	388	445	616	820	860	896
Guba region	893	981	1 241	1 403	1 495	1 527
Shabran region	211	287	489	626	684	679
Siyazan region	305	373	595	736	792	824
Aran economic region	10 714	12 305	15 426	16 539	16 960	17 227
Goychay region	416	505	627	637	664	683
Beylagan region	569	607	721	745	760	764
Agjabedi region	260	313	433	677	693	726
Barda region	444	546	740	935	958	977
Neftchala region	299	242	338	344	367	371
Bilasuvar region	436	518	631	720	729	757
Salyan region	984	1 104	2 004	2 111	2 133	2 144
Yevlakh city	406	472	597	611	632	646
Mingechevir city	1 644	1 913	2 168	2 177	2 196	2 205
Agdash region	357	384	501	506	524	543
Ujar region	161	252	392	450	462	461
Zardab region	767	795	872	885	898	904
Kurdamir region	1 028	1 132	1 223	1 229	1 245	1 254
Imishly region	1 289	1 494	1 591	1 694	1 706	1 712
Saatly region	115	165	268	271	301	314
Sabirabad region	468	487	573	595	626	638
Hajigabul region	218	308	481	549	615	626
Shirvan city	853	1 068	1 266	1 403	1 451	1 502
Yukhari-Garabagh economic region	726	1 615	1 888	2 159	2 231	2 335
Jabrail region	68	115	134	158	176	209
Fuzuli region	162	196	252	318	331	353
Agdam region	59	196	275	326	331	357
Terter region	126	198	238	293	301	322

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	2012	2013	2014	2015	2016	2017
Khojaly region	25	207	230	241	248	252
Shusha region	112	428	472	531	547	548
Khojavend region	174	275	287	292	297	294
Kalbajar-Lachin economic region	469	753	1 157	1 740	1 808	1 832
Kalbajar region	69	73	178	315	329	334
Lachin region	89	153	249	381	395	402
Gubadly region	161	217	288	390	409	417
Zangilan region	150	310	442	654	675	679
Daghlig Shirvan economic region	1 364	1 819	2 549	2 780	2 843	2 885
Gobustan region	110	133	257	289	297	299
Ismayilly region	652	979	1 349	1 452	1 464	1 483
Agsu region	190	279	391	454	476	490
Shamakhy region	412	428	552	585	606	613
Nakhchivan Autonomus Republic	13 703	15 729	17 638	18 529	18 688	20 869

4.33 Number of employees using Internet in relation to pay-roll of employees working in enterprises with Internet access, in percentage, by regions

	2012	2013	2014	2015	2016	2017
Total	22.1	22.6	24.2	26.9	29.8	30.4
Baku city (with settlements)	25.4	27.8	29.4	30.1	31.0	31.1
Absheron economic region	14.7	14.8	16.9	17.8	20.6	21.0
Khyzy region	10	11.4	16.7	17.5	20.1	20.5
Absheron region	9.7	10.7	14.5	14.8	19.0	19.3
Sumgait city	18.0	19.1	18.1	19.7	21.8	21.9
Ganja-Gazakh economic region	23.7	22.2	23.2	33.1	34.6	35.0
Ganja city	40.4	41.6	43.6	50.4	50.8	51.1
Gazakh region	10.9	11.2	14.2	14.4	17.8	17.8
Agstafa region	16.9	18.0	19.8	25.0	27.0	27.4
Tovuz region	11.3	22.2	23.1	25.3	28.2	28.5
Shamkir region	17.2	17.5	18.0	18.1	20.4	21.4
Gedabey region	11.2	16.0	17.4	21.7	24.6	24.5
Dashkesen region	6.3	6.5	6.6	8.1	11.3	12.5
Samukh region	24.5	26.2	29.7	32.2	35.0	35.5
Goygol region	10.9	30.5	32.5	33.7	37.9	38.8
Goranboy region	14.5	15.3	15.5	24.2	25.7	25.8
Naftalan city	22	22.5	23.8	27.2	30.9	31.5
Sheki-Zagatala economic region	11.7	12.1	12.8	20.5	24.2	25.2
Balaken region	8.9	9.4	11.3	13.8	16.8	17.5
Zagatala region	10.9	11.2	12.8	20.2	21.4	22.0
Gakh region	12.0	12.7	13.6	15.4	19.3	20.8
Sheki city	13.9	12.3	13.5	20.8	24.1	25.0
Oghuz region	13.3	18.9	21.0	21.7	25.6	26.5
Gabala region	19.2	26.8	37.3	43.1	43.6	44.9
Lankaran economic region	11.3	11.4	12.2	19.5	22.9	23.2
Astara region	11.0	22.2	26.3	26.5	29.3	30.2
Lankaran city	7.9	10.5	11.6	12.0	15.4	15.4
Lerik region	15.3	15.7	16.7	23.7	26.4	26.6

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	2012	2013	2014	2015	2016	2017
Yardymly region	15.7	16.5	18.6	23.8	28.2	29.6
Masally region	26.3	26.6	27.0	31.0	33.5	34.5
Jalilabad region	7.9	8.7	4.8	14.7	17.4	18.2
Guba-Khachmaz economic region	11.9	12.5	18.7	24.0	27.3	28.0
Gusar region	10.3	16.2	16.8	23.0	27.9	28.9
Khachmaz region	6.9	7.6	7.9	16.5	21.7	22.6
Guba region	23.4	23.9	28.0	30.8	32.8	33.6
Shabran region	9.6	12.3	13.1	20.6	24.3	24.1
Siyazan region	13.1	13.7	21.8	26.1	28.1	29.2
Aran economic region	17.1	17.6	18.1	24.0	27.3	27.7
Goychay region	16.6	16.7	21.9	25.4	30.8	31.7
Beylagan region	15.6	16.0	21.9	22.6	26.6	26.7
Agjabedi region	10.5	22.5	24.7	25.5	26.7	27.9
Barda region	11.8	15.1	21.3	25.0	27.1	27.6
Neftchala region	7.9	12.6	13.3	13.7	17.3	17.5
Bilasuvay region	11.3	13.2	14.2	18.4	22.0	22.9
Salyan region	9.8	21.4	27.7	30.2	32.7	32.8
Yevlakh city	13.3	13.8	15.5	17.4	21.3	21.8
Mingechevir city	16.7	18.7	20.2	23.3	25.4	25.5
Agdash region	11.5	12.9	13.2	15.1	16.3	16.9
Ujar region	15.5	15.6	22.1	23.1	27.0	27.0
Zardab region	15.6	15.8	16.1	22.0	26.7	26.8
Kurdamir region	25.6	27.4	29.0	29.6	32.4	32.6
Imishly region	15.9	23.0	29.6	38.8	41.1	41.3
Saatly region	7.8	9.5	10.9	14.2	16.1	16.8
Sabirabad region	17.5	18.5	18.6	20.1	22.4	22.8
Hajigabul region	13.8	13.8	20.3	27.8	29.9	30.4
Shirvan city	11.6	12.1	13.9	16.7	19.3	20.0
Yukhari-Garabagh economic region	18.5	18.8	19.7	20.4	21.0	22.0
Jabrail region	9.7	10.3	13.9	14.2	17.1	20.3
Fuzuli region	3.8	3.9	6.9	6.9	11.7	12.5
Agdam region	7.8	8.3	9.8	10.1	15.3	16.6
Terter region	7.6	10.4	16.3	17.0	22.7	24.3

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	2012	2013	2014	2015	2016	2017
Khojaly region	25.3	25.4	26.5	29.1	32.9	33.5
Shusha region	18.2	19.0	21.9	28.1	31.9	31.9
Khojavend region	32.0	32.3	32.3	32.6	36.7	36.3
Kalbajar-Lachin economic region	12.5	20.4	22.5	28.9	26.5	27.1
Kalbajar region	8.6	9.6	9.7	16.2	20.3	20.6
Lachin region	12.5	13.3	15	24.7	28.0	28.5
Gubadly region	25.6	26.1	26.4	32.7	36.5	37.2
Zangilan region	15.3	15.5	16.3	21.1	25.9	26.0
Daghlig Shirvan economic region	17.4	24.8	28.7	32.6	32.7	33.1
Gobustan region	19.8	20.2	22.1	24.9	28.6	28.8
Ismayilly region	10.6	22.5	30.9	35.7	37.5	38.0
Agsu region	13.1	20.8	23.3	24.7	28.7	29.5
Shamakhy region	16.7	17.0	26.2	26.6	28.9	29.2
Nakhchivan Autonomus Republic	20.9	22.1	24.8	27.3	31.6	35.3

4.34 Number of employees using Internet in relation to pay-roll of employees working in all operating enterprises, in percent

	2012	2013	2014	2015	2016	2017
Total	10.9	14.4	16.5	20.4	21.9	23.1
Baku city (with settlements)	15.3	18.8	21.4	22.7	27.4	27.6
Absheron economic region	7.0	9.5	10.2	10.8	14.1	14.9
Khyzy region	4.9	5.8	10.4	10.7	12.8	14.3
Absheron region	5.9	8.1	8.9	10.3	12.9	14.0
Sumgait city	7.5	10.3	10.9	11.0	14.7	15.4
Ganja-Gazakh economic region	9.2	13.2	14.1	15.5	19.7	20.9
Ganja city	18.9	19.7	21.1	29.8	34.1	34.5
Gazakh region	3.7	4.8	5.3	8.7	9.6	10.2
Agstafa region	3.7	4.4	6.0	6.7	9.4	10.1
Tovuz region	3.1	8.1	9.0	11.2	13.9	14.4
Shamkir region	4.8	7.3	13.1	16.8	17.0	17.2
Gedabey region	3.1	4.7	3.5	6.1	8.1	10.1
Dashkesen region	1.8	2.4	3.4	5.2	6.8	9.0
Samukh region	13.3	14.7	16.7	20.5	24.0	24.3
Goygol region	2.7	4.3	6.4	11.3	17.0	23.8
Goranboy region	4.7	7.1	8.6	10.2	11.2	11.6
Naftalan city	12.2	13.0	11.4	19.0	25.3	25.7
Sheki-Zagatala economic region	3.9	6.7	7.9	10.0	12.6	13.8
Balaken region	2.7	5.1	6.1	6.9	10.1	10.5
Zagatala region	3.0	5.7	7.1	11.0	15.7	16.1
Gakh region	3.6	5.1	5.8	6.1	7.8	10.6
Sheki city	5.1	8.3	7.8	12.0	13.9	14.4
Oghuz region	3.5	5.9	6.8	6.7	8.1	10.0
Gabala region	4.8	7.9	12.4	13.6	16.4	16.9
Lankaran economic region	3.4	5.4	7.3	9.1	11.1	12.3
Astara region	1.5	3.3	4.2	6.3	8.4	9.5
Lankaran city	4.5	6.2	7.2	8.7	11.3	12.3
Lerik region	2.5	2.2	3.3	7.0	8.0	9.3

...continued

	2012	2013	2014	2015	2016	2017
Yardymly region	3.0	3.6	6.3	10.6	11.9	12.5
Masally region	4.7	10.4	15.7	15.3	17.3	17.8
Jalilabad region	2.0	3.2	3.3	4.6	5.8	7.1
Guba-Khachmaz economic region	4.8	8.0	12.9	14.7	18.1	18.9
Gusar region	4.5	9.8	9.9	16.6	19.5	20.1
Khachmaz region	3.9	4.8	6.1	9.5	12.2	12.8
Guba region	6.4	9.5	12.6	15.2	18.1	18.6
Shabran region	4.2	8.0	8.2	16.3	22.3	22.6
Siyazan region	6.1	8.7	11.0	19.6	25.5	28.9
Aran economic region	5.6	8.7	10.0	12.2	14.7	16.2
Goychay region	3.5	5.6	5.5	7.7	11.0	11.7
Beylagan region	6.2	6.6	7.2	8.0	10.8	12.7
Agjabedi region	2.1	3.4	4.6	5.7	6.3	8.1
Barda region	2.7	4.4	6.5	9.9	13.6	14.4
Neftchala region	3.6	4.3	3.7	8.2	9.6	11.9
Bilasuvar region	6.7	9.6	10.8	12.8	16.2	17.2
Salyan region	6.9	8.0	11.4	20.9	23.1	23.5
Yevlakh city	3.1	4.9	4.1	6.6	8.0	9.6
Mingechevir city	9.4	15.3	18.4	22.1	23.5	24.2
Agdash region	3.3	4.8	4.9	7.4	10.9	12.9
Ujar region	2.4	3.0	7.7	12.7	15.0	15.4
Zardab region	5.8	7.0	9.3	16.4	21.0	29.4
Kurdamir region	12.8	17.7	17.4	19.4	20.8	21.3
Imishly region	12.4	17.6	17.1	21.5	23.9	24.3
Saatly region	1.5	3.1	3.1	4.4	5.8	7.2
Sabirabad region	3.9	6.1	7.2	7.6	8.9	10.4
Hajigabul region	4.0	7.1	10.9	14	20.1	20.5
Shirvan city	6.9	9.2	9.2	12.8	15.6	16.1
Yukhari-Garabagh economic region	5.0	5.2	5.9	7.0	8.2	11.8
Jabrail region	1.5	2.5	3.0	3.5	4.3	7.3
Fuzuli region	1.8	2.2	2.6	4.1	5.4	8.8
Agdam region	0.4	1.4	3.0	3.5	4.1	6.2
Terter region	1.9	3.6	2.5	6.0	7.5	10.7

...continued

	2012	2013	2014	2015	2016	2017
Khojaly region	1.5	2.6	4.5	12.6	15.7	26.8
Shusha region	4.4	7.1	11.9	20.6	25.5	26.1
Khojavend region	22.5	22.9	20.5	25.2	27.8	27.5
Kalbajar-Lachin economic region	2.4	10.9	11.2	11.3	14.5	15.6
Kalbajar region	1.1	1.1	2.7	6.4	8.4	9.8
Lachin region	1.3	3.2	3.7	8.4	13.1	13.8
Gubadly region	4.5	6.4	8.6	12.2	14.4	14.8
Zangilan region	4.6	9.6	14.4	23.1	26.1	26.2
Daghlig Shirvan economic region	5.3	9.1	12.6	14.1	16.4	17.0
Gobustan region	3.6	5.4	8.1	10.4	13.3	14.2
Ismayilly region	7.7	15.8	19.7	27.4	29.2	29.7
Agsu region	3.3	8.1	8.5	10.7	12.3	12.8
Shamakhy region	4.9	5.7	6.1	8.0	9.7	10.2
Nakhchivan Autonomus Republic	15.3	17.5	19.4	20.7	23.2	26.3

4.35 Number of employees using Internet by kinds of activity of enterprises

	2012	2013	2014	2015	2016	2017
Total	148 287	172 714	202 025	212 003	217 243	220 928
of which:						
Mining and quarrying	3 961	4 142	4 506	4 526	4 598	4 608
Manufacturing	6 003	6 498	6 723	7 303	7 466	7 789
Electricity, gas, steam and air conditioning supply	2 638	2 682	3 178	3 397	3 682	3 791
Water supply; sewerage, waste management and remediation activities	688	1 118	1 170	1 307	1 331	1 447
Construction	5 789	6 869	9 348	9 380	9 385	9 268
Wholesale and retail trade, repair of motor vehicles and motorcycles	6 573	7 884	8 419	8 654	8 719	8 988
Transportation and storage	3 801	3 980	4 946	5 708	5 767	5 995
Accommodation and food service activities	796	800	1 360	1 411	1 476	1 561
Information and communication	10 573	11 240	11 549	12 168	12 188	12 567
Financial and insurance activities	14 111	18 223	18 673	18 759	18 665	18 619
Real estate activities	593	724	831	948	1 014	1 175
Professional, scientific and technical activities	11 253	11 397	13 734	14 026	14 128	14 469
Administrative and support service activities	2 077	2 190	3 105	3 176	3 181	3 365
Public administration and defence; social security	45 806	52 105	61 512	65 019	67 657	68 279
Education	26 118	34 420	40 519	42 828	44 377	45 035
Human health and social work activities	3 508	3 780	4 906	5 711	5 880	6 102
Arts, entertainment and recreation	2 055	2 500	5 205	5 237	5 276	5 391
Other service activities	1 944	2 162	2 341	2 445	2 453	2 479

4.36 Number of employees using Internet in enterprises in relation to pay-roll of employees working in enterprises with Internet access by kinds of activity of enterprises, percent

	2012	2013	2014	2015	2016	2017
Total	22.1	22.6	24.2	26.9	29.8	30.4
of which:						
Mining and quarrying	11.9	12.6	15.2	15.6	16.4	16.6
Manufacturing	8.3	8.6	9.4	9.7	10.7	11.1
Electricity, gas, steam and air conditioning supply	9.8	9.2	12.3	12.8	14.2	14.6
Water supply; sewerage, waste management and remediation activities	5.0	6.6	6.6	6.8	7.8	8.5
Construction	8.0	9.8	14.9	16.7	18.8	18.9
Wholesale and retail trade, repair of motor vehicles and motorcycles	39.8	40.6	15.4	16.3	17.4	18.0
Transportation and storage	7.7	6.6	8.6	8.7	9.9	10.3
Accommodation and food service activities	25.3	12.6	20.4	21.5	22.7	24.0
Information and communication	48.0	51.4	52.0	52.9	53.0	54.6
Financial and insurance activities	67.5	73.5	65.7	65.9	65.5	65.3
Real estate activities	6.9	7.8	9.8	10.3	12.7	14.7
Professional, scientific and technical activities	30.5	29.4	37.8	38.4	39.2	40.2
Administrative and support service activities	17.9	18.6	18.9	20.2	22.7	24.0
Public administration and defence; social security	60.5	61.4	63.3	65.0	65.5	66.1
Education	28.9	38.3	32.6	34.4	34.7	35.2
Human health and social work activities	4.3	4.6	5.6	6.0	9.8	10.2
Arts, entertainment and recreation	11.8	12.0	29.6	31.7	34.0	34.8
Other service activities	43.5	32.3	33.8	35.5	35.8	36.2

4.37 Number of employees using Internet in enterprises in relation to pay-roll of employees working in all operating enterprises by kinds of activity, in percent

	2012	2013	2014	2015	2016	2017
Total	10.9	14.4	16.5	20.4	21.9	23.1
of which:						
Mining and quarrying	10.6	11.3	12.4	14.0	14.8	15.4
Manufacturing	6.8	6.9	7.1	8.2	8.9	9.4
Electricity, gas, steam and air conditioning supply	8.6	9.4	10.6	11.5	11.9	12.6
Water supply; sewerage, waste management and remediation activities	3.0	4.6	4.5	6.1	7.0	8.0
Construction	5.4	6.6	11.0	13.5	13.9	14.3
Wholesale and retail trade, repair of motor vehicles and motorcycles	8.6	9.5	9.2	12.2	12.8	13.8
Transportation and storage	5.4	5.8	7.0	6.8	7.2	8.1
Accommodation and food service activities	5.1	6.2	10.7	12.5	12.8	14.9
Information and communication	39.7	41.7	42.1	44.9	44.3	45.7
Financial and insurance activities	56.3	63.4	58.9	62.7	63.2	63.0
Real estate activities	5.1	6.0	6.6	8.6	9.2	10.7
Professional, scientific and technical activities	22.5	22.7	24.1	25.7	25.9	27.6
Administrative and support service activities	8.0	9.3	12.7	15.7	15.9	16.8
Public administration and defence; social security	38.9	39.8	38.7	41.6	41.7	42.6
Education	10.9	19.4	21.3	22.7	23.5	24.6
Human health and social work activities	2.7	2.9	3.7	5.2	8.4	9.5
Arts, entertainment and recreation	3.5	4.3	15.8	24.3	25.6	27.5
Other service activities	13.5	14.6	15.2	17.3	17.6	17.8

4.38 Distribution of employees using Internet by gender, 2017

	Total, person	of which:		Total, in %	of which:	
		men	women		men	women
Total	220 928	116 319	104 609	100.0	52.7	47.3
of which:						
Mining and quarrying	4 652	3 503	1 149	100.0	75.3	24.7
Manufacturing	7 980	5 417	2 563	100.0	67.9	32.1
Electricity, gas, steam and air conditioning supply	3 771	2 391	1 380	100.0	63.4	36.6
Water supply; sewerage, waste management and remediation activities	1 517	934	583	100.0	61.6	38.4
Construction	9 568	6 966	2 602	100.0	72.8	27.2
Wholesale and retail trade, repair of motor vehicles and motorcycles	9 258	5 338	3 920	100.0	57.7	42.3
Transportation and storage	6 125	3 312	2 813	100.0	54.1	45.9
Accommodation and food service activities	1 581	1 061	520	100.0	67.1	32.9
Information and communication	12 567	8 123	4 444	100.0	64.6	35.4
Financial and insurance activities	19 189	11 982	7 207	100.0	62.4	37.6
Real estate activities	1 250	785	465	100.0	62.8	37.2
Professional, scientific and technical activities	14 769	7 474	7 295	100.0	50.6	49.4
Administrative and support service activities	3 265	1 775	1 490	100.0	54.4	45.6
Public administration and defence; social security	66 979	35 566	31 413	100.0	53.1	46.9
Education	44 335	15 403	28 932	100.0	34.7	65.3
Human health and social work activities	6 002	1 801	4 201	100.0	30.0	70.0
Arts, entertainment and recreation	5 551	3 114	2 437	100.0	56.1	43.9
Other service activities	2 569	1 374	1 195	100.0	53.5	46.5

4.39 Distribution of enterprises by type of Internet connection, 2017

	Total	DSL> 2Mb second	DSL< 2Mb second	ISDN	Other constant connection (with dedicated line)	Wireless	Other
Total	100.0	30.7	18.8	2.6	9.1	11.5	27.3
of which:							
Mining and quarrying	100.0	31.4	21.5	4.4	7.1	10.2	25.4
Manufacturing	100.0	30.5	20.3	4.3	10.6	10.5	23.8
Electricity, gas, steam and air conditioning supply	100.0	34.9	22.8	3.3	3.8	6.0	29.2
Water supply; sewerage, waste management and remediation activities	100.0	31.8	22.1	1.5	7.3	10.3	27.0
Construction	100.0	32.5	21.2	1.5	8.4	11.2	25.2
Wholesale and retail trade, repair of motor vehicles and motorcycles	100.0	30.1	21.5	2.6	8.4	11.9	25.5
Transportation and storage	100.0	29.1	21.5	3.1	11.3	12.0	23.0
Accommodation and food service activities	100.0	28.5	21.2	2.9	12.1	11.8	23.5
Information and communication	100.0	24.0	18.9	2.8	23.3	9.7	21.3
Financial and insurance activities	100.0	33.4	20.5	2.1	9.5	10.6	23.9
Real estate activities	100.0	29.4	20.5	2.4	10.2	12.8	24.7
Professional, scientific and technical activities	100.0	32.5	20.4	2.5	6.6	14.1	23.9
Administrative and support service activities	100.0	32.3	22.7	2.0	8.5	10.7	23.8
Public administration and defence; social security	100.0	31.3	22.0	2.2	8.9	9.4	26.2
Education	100.0	32.8	22.3	2.8	6.2	10.7	25.2
Human health and social work activities	100.0	33.4	20.2	1.2	8.6	10.1	26.5
Arts, entertainment and recreation	100.0	32.3	23.0	3.0	1.6	14.2	25.9
Other service activities	100.0	28.2	21.4	2.4	10.1	11.1	26.8

4.40 Distribution of enterprises by purposes of Internet use, in percentage, 2017

	Cəmi	Banking and financial services	Training and education	Monitoring of market	Information on goods and services
Total	100.0	22.7	5.3	3.7	6.2
of which:					
Mining and quarrying	100.0	15.8	6.0	6.4	9.8
Manufacturing	100.0	19.1	2.6	6.0	10.1
Electricity, gas, steam and air conditioning supply	100.0	14.6	4.1	1.2	7.6
Water supply; sewerage, waste management and remediation activities	100.0	21.9	2.5	1.6	6.1
Construction	100.0	28.5	1.9	3.4	6.8
Wholesale and retail trade, repair of motor vehicles and motorcycles	100.0	18.5	3.7	6.3	10.8
Transportation and storage	100.0	21.6	2.1	3.1	7.5
Accommodation and food service activities	100.0	16.1	4.3	4.9	8.3
Information and communication	100.0	15.2	4.3	4.3	7.2
Financial and insurance activities	100.0	18.9	5.6	6.5	6.8
Real estate activities	100.0	27.9	2.1	3.5	7.2
Professional, scientific and technical activities	100.0	20.6	5.3	4.6	5.8
Administrative and support service activities	100.0	24.6	4.0	3.8	6.9
Public administration and defence; social security	100.0	30.5	5.3	1.3	2.5
Education	100.0	20.1	20.0	1.7	3.0
Human health and social work activities	100.0	24.7	4.9	2.2	5.3
Arts, entertainment and recreation	100.0	23.2	7.2	1.3	3.2
Other service activities	100.0	24.3	5.8	2.5	5.3

...continued

	Sending and receiving of e-mails	Other data searches or research activities	Providing of customer services	Other purposes
Total	25.4	9.6	4.9	22.2
of which:				
Mining and quarrying	20.8	12.2	2.6	26.4
Manufacturing	28.2	9.1	3.9	21.0
Electricity, gas, steam and air conditioning supply	38.4	9.9	6.4	17.8
Water supply; sewerage, waste management and remediation activities	31.3	9.2	8.1	19.3
Construction	29.7	9.8	2.9	17.0
Wholesale and retail trade, repair of motor vehicles and motorcycles	22.3	9.6	6.2	22.6
Transportation and storage	26.7	11.9	7.7	19.4
Accommodation and food service activities	20.2	9.6	7.9	28.7
Information and communication	22.2	11.8	6.8	28.2
Financial and insurance activities	15.8	8.4	10.3	27.7
Real estate activities	26.6	9.4	5.7	17.6
Professional, scientific and technical activities	22.9	11.1	5.1	24.6
Administrative and support service activities	21.9	9.7	6.3	22.8
Public administration and defence; social security	31.5	8.5	1.5	18.9
Education	21.9	9.0	2.9	21.4
Human health and social work activities	26.7	9.2	4.0	23.0
Arts, entertainment and recreation	27.9	12.1	2.4	22.7
Other service activities	29.1	9.5	3.4	20.1

4.41 Internet connection with public authorities by kinds of activity, 2017

	Number of enterprises interacting with public authorities, unit	of which by purposes, in percentage			
		obtaining information	down-loading forms	sending filled in forms	other purposes
Total	7 960	28.1	26.4	33.2	12.3
of which:					
Mining	118	27.7	23.1	38.7	10.5
Manufacturing	678	26.8	24.2	39.1	9.9
Electricity, gas, steam and air conditioning supply	133	26.2	23.0	43.5	7.3
Water supply; sewerage, waste management and remediation activities	120	26.9	25.5	37.1	10.5
Construction	662	27.6	26.5	36.0	9.9
Wholesale and retail trade, repair of motor vehicles and motorcycles	637	26.5	23.5	35.4	14.6
Transportation and storage	334	26.4	25.5	34.5	13.6
Accommodation and food service activities	133	27.5	22.3	35.3	14.9
Information and communication	335	26.4	25.5	34.8	13.3
Financial and insurance activities	788	29.9	22.0	34.3	13.8
Real estate activities	197	24.6	28.7	38.0	8.7
Professional, scientific and technical activities	641	27.7	25.6	35.1	11.6
Administrative and support service activities	284	29.6	26.7	34.5	9.2
Public administration and defence; social security	1 282	27.6	27.8	33.3	11.3
Education	497	28.3	25.9	33.0	12.8
Human health and social work activities	445	25.7	25.5	33.3	15.5
Arts, entertainment and recreation	259	26.5	26.4	32.6	14.5
Other service activities	417	27.1	26.0	35.0	11.9

4.42 Number of enterprises with Web site (Web page), 2017

	Enterprises with Web site, unit	of which share: in percent			Enterprises with Web site placed in servers of Azerbaijan, unit
		in the number of acting enterprises	in the number of enterprises using computer	in the number of enterprises using Internet	
Total	2 244	12.2	18.3	22.7	1 524
of which:					
Mining	28	10.7	17.0	17.7	13
Manufacturing	144	10.3	15.0	16.6	101
Electricity, gas, steam and air conditioning supply	22	10.5	11.8	12.0	14
Water supply; sewerage, waste management and remediation activities	25	10.4	13.4	15.2	15
Construction	174	11.5	17.6	20.5	82
Wholesale and retail trade, repair of motor vehicles and motorcycles	166	11.6	17.1	18.3	131
Transportation and storage	72	10.9	15.7	17.5	42
Accommodation and food service activities	47	13.8	29.6	32.9	29
Information and communication	150	27.5	31.0	34.4	107
Financial and insurance activities	424	38.2	38.2	43.4	342
Real estate activities	43	8.8	18.9	21.4	17
Professional, scientific and technical activities	209	16.4	21.2	26.5	128
Administrative and support service activities	94	13.8	24.5	28.6	62
Public administration and defence; social security	311	7.6	12.5	23.3	217
Education	116	9.0	12.3	12.8	62
Human health and social work activities	82	11.3	14.4	15.6	49
Arts, entertainment and recreation	75	13.3	22.5	27.7	53
Other service activities	62	4.2	9.4	14.2	60

5. Availability of ICT equipments in the state day general educational schools (as of September 2017)

5.1 Number of schools with computer

<i>Economic regions</i>	<i>Number of schools with computer</i>			<i>Share of schools having computers in total number of schools</i>		
	2015	2016	2017	2015	2016	2017
Total	4 161	4 158	4 189	93.9	94.3	94.7
<i>urban</i>	1 146	1 125	1 160	99.1	98.6	98.5
<i>rural</i>	3 015	3 033	3 029	92.1	92.8	93.4
Baku city	339	335	360	100.0	100.0	100.0
Absheron	101	103	106	100.0	100.0	100.0
Ganja-Gazakh	561	555	564	94.3	94.1	95.6
Sheki-Zagatala	362	361	358	97.8	97.8	97.3
Lankaran	534	533	528	95.0	95.0	95.0
Guba-Khachmaz	352	355	356	84.2	84.9	85.2
Aran	897	897	903	96.6	96.6	97.1
Yukhari-Garabagh	325	322	322	91.0	91.0	91.2
Kalbajar-Lachin	256	249	243	87.1	87.1	87.1
Daghligh Shirvan	218	232	234	87.2	92.8	94.4
Nakhchivan Autonomous Republic	216	216	215	100.0	100.0	100.0

5.2 Number of available computers in schools

<i>Economic regions</i>	<i>Number of computers</i>			<i>Pupils per computer</i>		
	2015	2016	2017	2015	2016	2017
Total	63 285	66 413	70 432	21	21	20
<i>urban</i>	36 986	37 971	41 200	21	22	21
<i>rural</i>	26 299	28 442	29 232	21	20	19
Baku city	20 157	19 752	22 639	19	20	19
Absheron	3 139	3 088	3 216	28	31	32
Ganja-Gazakh	7 780	7 974	8 155	21	21	21
Sheki-Zagatala	4 054	4 913	4 843	20	16	17
Lankaran	4 973	5 223	5 331	23	22	22
Guba-Khachmaz	3 023	3 742	3 514	25	21	22
Aran	10 962	11 661	11 845	24	23	23
Yukhari-Garabagh	2 075	2 374	2 391	27	25	25
Kalbajar-Lachin	1 112	1 174	1 239	32	33	32
Daghligh Shirvan	2 306	2 512	2 664	16	15	14
Nakhchivan Autonomous Republic	3 704	4 000	4 595	12	11	10

5.3 Number of schools provided with main telecommunication or telephone

<i>Economic regions</i>	Number of schools with telephone			Share of schools provided with telephone in total number of schools, percent		
	2015	2016	2017	2015	2016	2017
Total	2 900	3 009	3 052	65.2	68.2	69.0
urban	1 017	1 042	1 075	88.0	91.3	91.3
rural	1 883	1 967	1 977	57.5	60.2	61.0
Baku city	339	335	360	100.0	100.0	100.0
Absheron	97	100	103	96.0	97.1	97.2
Ganja-Gazakh	409	417	416	68.7	70.7	70.6
Sheki-Zagatala	282	294	293	76.2	79.7	79.6
Lankaran	380	384	380	67.6	68.4	68.5
Guba-Khachmaz	189	202	200	45.2	48.3	47.8
Aran	701	721	720	75.5	77.6	77.4
Yukhari-Garabagh	109	124	123	30.5	35.0	34.8
Kalbajar-Lachin	46	68	84	15.6	23.8	30.1
Daghlig Shirvan	132	148	158	52.8	59.2	63.7
Nakhchivan Autonomous Republic	216	216	215	100.0	100.0	100.0

5.4 Schools with internet access

<i>Economic regions</i>	Number of schools with internet access			Share of schools with internet access in total number of schools, percent		
	2015	2016	2017	2015	2016	2017
Total	2 156	2 311	2 380	51.8	55.6	56.8
urban	973	974	1 044	84.9	86.6	90.0
rural	1 183	1 337	1 336	39.2	44.1	44.1
Baku city	337	335	360	99.4	100.0	100.0
Absheron	81	87	93	80.2	84.5	87.7
Ganja-Gazakh	284	337	345	50.6	60.7	61.2
Sheki-Zagatala	196	197	200	54.1	54.6	55.9
Lankaran	200	206	205	37.5	38.6	38.8
Guba-Khachmaz	103	111	123	29.3	31.3	34.6
Aran	505	535	538	56.3	59.6	59.6
Yukhari-Garabagh	92	97	97	28.3	30.1	30.1
Kalbajar-Lachin	63	75	89	24.6	30.1	36.3
Daghlig Shirvan	79	115	115	36.2	49.6	49.1
Nakhchivan Autonomous Republic	216	216	215	100.0	100.0	100.0

5.5 Number of computers connected to internet

<i>Economic regions</i>	Number of computers connected to internet			Number of computers in relation to total number of available computers		
	2015	2016	2017	2015	2016	2017
Total	35 776	38 459	40 252	56.5	57.9	57.2
urban	25 411	26 768	27 715	68.7	70.5	67.3
rural	10 365	11 691	12 537	39.4	41.1	42.9
Baku city	14 301	13 873	16 030	70.9	70.2	70.8
Absheron	2 072	2 113	2 053	66.0	68.4	63.8
Ganja-Gazakh	3 887	4 398	4 318	50.0	55.2	52.9
Sheki-Zagatala	1 540	1 960	1 935	38.0	39.9	40.0
Lankaran	2 299	2 341	2 092	46.2	44.8	39.2
Guba-Khachmaz	1 215	1 370	1 079	40.2	36.6	30.7
Aran	5 626	6 857	6 704	51.3	58.8	56.6
Yukhari-Garabagh	545	594	514	26.3	25.0	21.5
Kalbajar-Lachin	137	255	300	12.3	21.7	24.2
Daghligh Shirvan	931	1 216	1188	40.4	48.4	44.6
Nakhchivan Autonomous Republic	3 223	3 482	4 039	87.0	87.1	87.6

5.6 Number of pupils used internet

<i>Economic regions</i>	Number of pupils used internet ¹²			Number of pupils used internet in relation to number of pupils educated in schools of the country		
	2015	2016	2017	2015	2016	2017
Total	643 839	679 829	711 301	48.5	49.8	50.1
urban	465 530	484 014	509 621	60.1	59.8	59.4
rural	178 309	195 815	201 680	32.2	35.3	36.0
Baku city	232 341	242 002	262 122	61.7	61.9	62.4
Absheron	51 672	52 740	54 827	59.1	55.1	52.8
Ganja-Gazakh	70 138	84 730	86 313	43.6	51.6	51.6
Sheki-Zagatala	36 651	36 868	38 346	45.7	46.4	47.8
Lankaran	38 578	39 438	40 468	33.3	34.9	35.3
Guba-Khachmaz	28 844	29 340	30 162	38.1	38.0	38.3
Aran	107 525	108 126	109 225	41.4	40.8	40.4
Yukhari-Garabagh	16 597	17 608	18 002	29.8	29.8	29.8
Kalbajar-Lachin	8 359	8 681	9 231	23.5	22.7	23.4
Daghligh Shirvan	14 506	17 753	18 387	39.2	48.7	48.8
Nakhchivan Autonomous Republic	38 628	42 543	44 218	87.6	94.2	95.9

¹² Except for pupils of a preparatory class

5.7 Provision of state day general educational schools with electricly, information and communication technologies

communication technologies				
	State day general schools	of which		
		primary schools	secondary schools	general secondary schools
2016				
electricity	4 411	329	802	3280
computer	4 158	158	753	3247
main telecommunication or telephone	3 009	48	388	2573
2017				
electricity	4421	323	798	3300
computer	4189	191	730	3268
main telecommunication or telephone	3057	51	389	2617

5.8 Availability of local and electron net work in the state day general educational schools

	State day general schools	of which		
		primary schools	Secondary schhol	primary schools
2016				
Local network	1 059	-	45	1 014
e-mail	1 321	8	84	1 229
Web page, Web site at the internet	275	-	5	270
2017				
Local network	1466	8	86	1372
e-mail	2235	14	170	2051
Web page, Web site at the internet	438	26	45	367

6. Main macro indicators on ICT

6.1 Output of product and rendering of services in ICT sector, thsd. manats

Code on NACE	Kinds of activity on ICT sector	2012	2013	2014	2015	2016	2017
26110	Production of electronic components (details)	826.0	286.0	758.8	242.9	258.2	264.0
26120	Production of electronic cards	-	-	-	-	-	-
26200	Production of computers and periphery instalations	1060.9	766.8	93.1	12.0	468.7	1 680.3
26301	Production of electro and radioelements	-	-	-	-	-	-
26302	Production of transmitting devices	-	-	-	-	-	-
26303	Production of devices for receiving recording and showing of voice and image,	34 130.6	53 181.4	34 427.4	23 902.7	14 655.0	14 999.7
26304	Implementation of the detective-search activities is not authorized by the legal and physical persons for the purchase of non-legal way envisaged by technical means of information processing, production	-	-	-	-	-	-
26400	Production of household electronic equipments	13.3	11.5	215.3	35.9	22.5	20.3
26800	Production of megnet and optician bearer	-	-	-	-	-	-
46510	Wholesale of computers, periphery computer equipments and softwares	9 401.0	20 206.0	25 045.6	27 245.3	16 909.5	22 350.2
46521	Wholesale of electronic and telecommunication equipments and its parts	985.7	290.0	238.1	428.9	179.0	41.0
46522	Wholesale of detective-search activities by non-implementation of legal and natural persons not authorized legal way of information intended for the purchase of technical means	5.7	-	-	-	-	-
46523	Detective-search activities by non-implementation of legal and natural persons not authorized legal way of information intended for the purchase of technical means of bringing to the country	-	-	-	-	-	-

Code on NACE ¹³	Kinds of activity on ICT sector	2012	2013	2014	2015	2016	2017
58210	Publication of computer games	-	-	-	-	-	-
58290	Publication of other software	8 011.6	9 683.3	8 034.4	7 794.1	4 608.9	4 702.1
61101	Activity of wired telecommunication	727.7	936.8	938.9	1 168.2	727.9	3.9
61102	Telephone communication	286 084.0	252 591.4	238 012.6	222 321.7	196 108.8	194 527.3
61103	Telegraph communication	610.0	611.0	544.0	-	-	-
61104	Teleks	128.6	134.6	80.5	89.8	64.7	72.7
61201	Wireless telecommunications activities	1 575.3	6 534.8	10 787.3	17 360.4	26 510.3	22 751.0
61202	Rendering of mobile telephone services	872 828	908 262	915 249	87 4244	822 664.7	858 515.7
61300	Rendering of satellite communication services	-	7 788.6	8 938.5	14 519.3	33 481.5	33 033.4
61900	Other telecommunication activity	40 943.6	66 509.9	95 893.0	137 190.3	140 601.7	174 509.2
61902	Internet communication	86 326	98 431	110 884	112 513.8	95 722.6	107 648.6
62010	Software development	16 800.5	22 422.2	27 191.8	35 040.5	40 008.1	57 681.9
62021	Advices on means of computing equipment	1 987.1	1 732.9	1 711.2	2 938.7	3 505.0	4 202.3
62022	Other advices and sending of software	2 795.9	5 472.9	11 607.2	14 008.3	14 431.0	18 685.8
62023	Projecting of information security means and activity in the production field	219.1	272.6	133.4	257.7	850.3	1 559.6
62090	Other activities in the field of information technologies and technics of computing	16 435.3	25 640.9	34 433.6	38 627.2	52 910.4	57 740.8
63110	Data processing and activity connected with it	36 238.6	41 128.9	40 081.1	47 207.3	53 592.9	60 762.1
63120	Use from websites (internet ports)	256.1	238.0	1046.3	1 327.6	4 803.9	4 528.1
95110	Repair of computer and periphery equipments	1 853.3	2 571.5	4 377.9	2 483.5	4 057.8	8 108.8
95120	Repair of communication equipments	-	2 272.3	6 787.8	8 283.9	348.6	14183.8
Total		1 420 243.9	1 527 977.3	1 577 510.8	1 589 244.0	1 527 492.0	1 662 572.6

¹³ NACE Revision 3

6. Main macro indicators by ICT sector

6.2 Value added in ICT sector, thousand manats

Code on NACE	Kinds of activity on ICT sector	2012	2013	2014	2015	2016	2017
26110	Production of electronic components (details)	454.3	155.5	375.4	121.2	109.5	111.9
26120	Production of electronic cards	-	-	-	-	-	-
26200	Production of computers and periphery instalations	903.9	612.2	74.3	9.5	108.3	388.1
26301	Production of electro and radioelements	-	-	-	-	-	-
26302	Production of transmitting devices	-	-	-	-	-	-
26303	Production of devices for receiving recording and showing of voice and image,	26 621.9	41 135.6	26 460.8	18 357.3	8 162.8	8 354.8
26304	Implementation of the detective-search activities is not authorized by the legal and physical persons for the purchase of non-legal way envisaged by technical means of information processing, production	-	-	-	-	-	-
26400	Production of household electronic equipments	5.3	4.6	86.0	14.2	10.0	9.0
26800	Production of megnet and optician bearer	-	-	-	-	-	-
46510	Wholesale of computers, periphery computer equipments and softwares	4 578.3	9 970.5	12 515.4	13 513.7	10 889.7	14 393.5
46521	Wholesale of electronic and telecommunication equipments and its parts	679.1	192.9	158.5	284.4	133.2	30.5
46522	Wholesale of detective-search activities by non-implementation of legal and natural persons not authorized legal way of information intended for the purchase of technical means	4.0	-	-	-	-	-
46523	Detective-search activities by non-implementation of legal and natural persons not authorized legal way of information intended for the purchase of technical means of bringing to the country	-	-	-	-	-	-

Code on NACE	Kinds of activity on ICT sector	2012	2013	2014	2015	2016	2017
58210	Publication of computer games	-	-	-	-	-	-
58290	Publication of other software	2 643.8	3 554.4	2 926.6	2 821.5	1 811.3	1 847.9
61101	Activity of wired telecommunication	473.0	608.9	647.5	810.7	553.9	3.0
61102	Telephone communication	195 681.5	166 075.9	156 193.4	148 510.9	149 238.8	148 035.3
61103	Telegraph communication	302.0	303.1	269.8	-	-	-
61104	Teleks	90.9	95.4	56.9	64.1	52.1	58.5
61201	Wireless telecommunications activities	414.3	1 718.7	3 516.7	5 850.5	15 482.0	13 286.6
61202	Rendering of mobile telephone services	519 332.7	582 707.1	593 205.5	573 504.1	505 116.1	527 128.6
61300	Rendering of satellite communication services	-	5 054.8	5 801.1	12 486.6	26 416.9	26 063.4
61900	Other telecommunication activity	19 652.9	29 096.9	41 635.4	61 049.7	99 264.8	123 203.5
61902	Internet communication	47 565.6	53 743.3	54 157.9	55 806.8	46 904.1	52 747.8
62010	Software development	4 872.1	10 052.8	13 245.6	17 345.0	22 564.6	32 532.6
62021	Advices on means of computing equipment	669.7	566.4	587.7	1 325.4	1 132.1	1 357.3
62022	Other advices and sending of software	713.0	1 457.9	3 416.1	4 454.6	7 821.6	10 127.7
62023	Projecting of information security means and activity in the production field	104.9	129.3	60.1	118.3	511.9	938.9
62090	Other activities in the field of information technologies and technics of computing	9 598.2	12 930.8	17 351.8	19 313.6	26 402.3	28 812.7
63110	Data processing and activity connected with it	25 548.2	26 886.3	25 922.7	30 448.7	31 995.0	36 275.0
63120	Use from websites (internet ports)	151.9	142.5	621.8	783.3	2 084.9	1 965.2
95110	Repair of computer and periphery equipments	698.7	1 130.4	1 824.0	1 040.6	1 789.5	3 576.0
95120	Repair of communication equipments	-	718.0	2 158.5	2 659.1	168.0	6 836.6
Total		861 760.2	949 044.2	963 269.5	970 693.8	958 723.4	1 038 084.4

6. Main macro indicators by ICT sector

6.3 Production of ICT equipments

Code by SCIP ¹⁴	ICT good	Measure ment unit	2008	2009
28.23.13.00.0	Accounting machines, cash registers, postage-franking machines, ticket-issuing machines and similar machines, incorporating a calculating device	unit	25	326
26.20.16.40.0	Printers	unit	49	7
26.20.16.60.0	Other input or output units, whether or not containing storage units in the same housing	unit	938	397
26.20.21.00.4	Storage units	unit	796	424
26.12.20.00.1	Other machines for processing data n.e.c	unit	-	-
27.32.11.50.0	Other insulated winding wire (including anodised)	ton	-	44..0
27.32.13.40.0	Other electric conductors, for a voltage ≤ 1000 V, fitted with connectors	ton	1 005.4	2 496.6
27.31.11.00.0	Optical fibre cables made up of individually sheathed fibres whether or not assembled with electric conductors or fitted with connectors	ton	420.1	615.0
26.11.30.94.0	Other electronic integrated circuits n.e.c.	ton	433.0	18.3
26.30.23.10.0	Base stations	thsd. unit	-	-
26.30.23.20.0	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	unit	1 156	369
26.40.20.90.0	Other television receivers, whether or not combined with radio-broadcast receivers or sound or video recording or reproduction apparatus n.e.c.	unit	7 909	8 970
26.30.40.50.0	Inside aerials for radio or television reception (including built-in types) (excluding aerial amplifiers and radio frequency oscillator units)	unit	-	-
26.30.40.60.0	Other aerials and parts, suitable for use solely or principally with the apparatus of headings 85.25 to 85.28	unit	-	-
26.51.12.70.1	Surveying hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances non-electronic; rangefinders, non-electronic	unit	20 878	21 147
26.51.20.20.0	Radar apparatus	thsd. man.	-	-
26.51.20.50.0	Radio navigational aid apparatus	unit	68	61
26.51.44.00.0	Instruments and apparatus, for telecommunications	unit	-	-
26.51.52.55.0	Non-electronic flow meters (excluding supply meters, hydrometric paddle-wheels)	unit	50	40
26.51.63.50.0	Liquid supply or production meters (including calibrated) (excluding pumps)	unit	-	-
26.51.66.83.0	Other instruments, appliances,... for measuring or checking geometrical quantities	unit	182	660
26.51.70.90.0	Instruments and apparatus, regulating or controlling, n.e.c.	unit	311	239

¹⁴ PRODCOM, Revision 3 – 2009.

... continued

Code by SCIP	Measure ment unit	2010	2011	2012	2013	2014	2015	2016	2017
28.23.13.00.0	unit	122	25	4 176	200	390	4 762	-	-
26.20.16.40.0	unit	7	2	3	-	-	-	-	-
26.20.16.60.0	unit	-	-	-	-	-	-	-	-
26.20.21.00.4	unit	303	151	272	26	-	-	543	2 101
26.12.20.00.1	unit	3 647	659	-	-	-	-	-	-
27.32.11.50.0	ton	177.5	237.4	3.9	75.9	12.1	6 748.6	8 206.0	-
27.32.13.40.0	ton	14 459.0	8 812.4	6 826.3	4 471.2	3 796.5	3 256.0	2 251.7	4 466.7
27.31.11.00.0	ton	570.0	-	-	-	-	-	-	-
26.11.30.94.0	ton	0.9	0.2	-	-	-	-	-	-
26.30.23.10.0	thsd. units	-	-	-	-	-	-	-	-
26.30.23.20.0	unit	1 326	2 214	650	55	619	2 430	237	-
26.40.20.90.0	unit	8 922	18 837	23 961	24 485	6 050	788	-	-
26.30.40.50.0	unit	-	-	910	-	-	-	-	-
26.30.40.60.0	unit	-	-	-	-	-	-	-	-
26.51.12.70.1	unit	-	-	-	-	-	-	-	-
26.51.20.20.0	thsd. units	-	-	-	-	-	-	-	-
26.51.20.50.0	unit	-	-	-	-	-	-	-	-
26.51.44.00.0	unit	-	-	-	-	-	-	-	-
26.51.25.55.0	unit	-	50	-	24 199	37 644	49 238	106 495	208 631
26.51.63.50.0	unit	-	-	-	-	-	-	-	-
26.51.66.83.0	unit	800	400	592	957	510	40	-	160
26.51.70.90.0	unit	437	30 963	77 369	28 394	5 020	36 125	121	18 572

7. Import and export of ICT goods

7.1 ICT equipments imported to the country

Code by HS	ICT equipments	Measu rement unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
TOTAL			273 350.3		261 747.3	
Computers and peripheral equipment			95 156.0		58 491.1	
844331	Machines which perform two or more of the functions of printing, copying or facsimile transmission, capable of connecting to an automatic data processing machine or to a network	unit	10 705	2 167.5	6 685	1 470.2
844332	Other, capable of connecting to an automatic data processing machine or to a network	unit	5 098	1 736.9	3 440	1 444.8
847050	Cash registers	unit	668 614	24 154.1	23 373	6 815.1
847130	Portable data processing machines, weighing not more than 10 kg	unit	313 336	7 501.4	17 454	5 959.6
847141	Data processing machines comprising in the same housing at least a central processing unit and an input and output unit	unit	5 602	6 190.3	3 742	5 797.4
847149	Other digital automatic data processing machines	unit	8 957	10 493.8	3 598	5 664.6
847150	Digital processing units	unit	3 230	6 689.3	12 552	10 156.0
847160	Input or output units	unit	31 824	6 043.3	7 970	1 948.6
847170	Storage units	unit	14 593	9 855.2	6 399	6 268.3
847180	Other units of automatic data processing machines	unit	37 818	4 508.6	19 131	5 933.9
847190	Other machines for data processing	unit	1 977	1 619.0	1 707	801.1
847290	Other office equipment	unit	18 939	8 099.3	16 879	313.3
847330	Parts and accessories of data processing machines and its units	ton	809.6	4 272.0	487.4	4 084.5
847350	Parts and accessories equally suitable for use with machines of two or more of the headings	ton	0.7	126.8	0.6	90.8
852351	Solid-state non-volatile storage devices	unit	16 857	261.7	39 508	386.7
852841	Of a kind solely or principally used in an automatic data processing system of heading	unit	657	41.2	8	15.6
852851	Of a kind solely or principally used in an automatic data processing system of heading	unit	8 093	1 263.5	4 974	1 238.4
852861	Of a kind solely or principally used in an automatic data processing system of heading	unit	239	132.1	127	102.2
Communication equipment			117 957.4		97 248.0	
851711	Line telephone sets with cordless handsets	unit	2 270	180.0	1 411	97.2
851712	Telephones for cellular networks or for other wireless networks	unit	88 615	5 134.3	86 747	9 317.6
851718	Other telephones for	unit	7 119	810.0	11 745	1 201.3
851761	Base stations	unit	1 717	3 571.1	1 368	12 999.7

Code by HS	ICT equipments	Measu rement unit	2016		2017	
			quantity	thsd US \$	quantity	thsd US \$
TOTAL			232 525.9		328 372.9	
Computers and peripheral equipment			62 175.9		97 867.5	
844331	Machines which perform two or more of the functions of printing, copying or facsimile transmission, capable of connecting to an automatic data processing machine or to anetwork	unit	9 641	1 977.2	12 235	2 681.9
844332	Other, capable of connecting to an automatic data processing machine or to a network	unit	33 820	2 162.1	18 345	2 511.9
847050	Cash registers	unit	4 438	801.8	6 572	1 028.3
847130	Portable data processing machines, weighing not more that 10 kg	unit	36 654	9 592.7	76 279	26 884.1
847141	Data processing machines comprising in the same housing at least a central processing unit and an input and output unit	unit	6 180	5 841.9	4 768	3 596.0
847149	Other digital automatic data processing machines	unit	7 220	6 233.4	9 182	7 317.6
847150	Digital processing units	unit	6 717	13 276.6	9 389	17 735.7
847160	Input or output units	unit	100 915	1 082.7	169 800	2 369.7
847170	Storage units	unit	61 548	7 629.7	42 920	7 454.3
847180	Other units of automatic data processing machines	unit	8 029	3 631.3	17 171	2 861.8
847190	Other machines for data processing	unit	13 622	1 047.3	17 245	895.6
847290	Other office equipment	ton	198 019	1 135.6	146 381	2 494.9
847330	Parts and accessories of data processing machines and its units	ton	90	3 523.8	149	16 693.3
847350	Parts and accessories equally suitable for use with machines of two or more of the headings	ton	3	262.3	11	38.4
852351	Solid-state non-volatile storage devices	unit	197 880	1 728.2	146 192	992.2
852841	Of a kind solely or principally used in an automatic data processing system of heading	unit	80	50.5	27	43.1
852851	Of a kind solely or principally used in an automatic data processing system of heading	unit	12 666	2 118.5	14 432	2 161.3
852861	Of a kind solely or principally used in an automatic data processing system of heading	unit	484	80.5	39	107.4
Communication equipment			100566.5		141 773.8	
851711	Line telephone sets with cordless handsets	unit	62 780	686.2	85 328	707.0
851712	Telephones for cellular networks or for other wireless networks	unit	461 938	41 678.4	819 324	69 033.6
851718	Other telephones for	unit	90 596	869.9	60 405	1 176.3
851761	Base stations	unit	30 871	1 372.7	2 430	2 913.3

ICT: Import and export

Code by HS	ICT equipments	Measure ment unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
851762	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	unit	183 138	25 311.2	175 048	39 738.5
851769	Other apparatus for transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network	unit	8 042	3 681.2	10 844	3 212.6
851770	Parts for telephone sets, including telephones for cellular networks or for other wireless networks	unit	656 618	72 845.9	209 718	26 587.6
852550	Transmission apparatus	unit	169	2 413.8	134	273.7
852560	Transmission apparatus incorporating reception apparatus	unit	107	1 716.2	257	271.5
853110	Burglar or fire alarms and similar apparatus	unit	26 506	2 293.7	53 535	3 548.3
Consumer electronic equipment			24 957.5		33 134.2	
851810	Microphones and stands therefor	unit	2 658	244.8	1 781	202.4
851821	Single loudspeakers, mounted in their enclosures	unit	2 482	109.3	2 581	245.2
851822	Multiple loudspeakers, mounted in the same enclosure	unit	4 044	263.5	2 240	1 265.8
851829	Loudspeakers, whether or not mounted in their enclosures	unit	180	51.5	5 833	1 230.4
851830	Headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers	unit	1 659 881	791.0	618 448	478.3
851840	Audio-frequency electric amplifiers	unit	715	118.0	3 560	336.7
851850	Electric sound amplifier sets	unit	1 795	363.4	13 262	522.5
851890	Parts of microphones, loudspeakers, headphones, earphones and electric sound amplifier sets	ton	7.5	445.6	8.5	39.8
851920	Apparatus operated by coins, banknotes, bank cards, tokens or by other means of payment	unit	1	0.2	-	-
851930	Turntables (record-decks)	unit	-	-	-	-
851950	Telephone answering machines	unit	1	0.2	-	-
851981	Using magnetic, optical or semiconductor media	unit	914	61.9	2 051	128.8
851989	Sound recording or reproducing apparatus, other apparatus	unit	91	48.9	170	189.0
852110	Video recording or reproducing apparatus, whether or not incorporating a video tuner, magnetic tapetype	unit	24	324.1	120	1 155.4
852190	Video recording or reproducing apparatus, where or not incorporating a video tuner-other type	unit	1 978	3 420.6	4 599	7 896.7
852210	Parts and accessories suitable for use solely or principally with the apparatus of headings	ton	0.2	5.2	0.1	30.2
852290	Other parts of video and audio players	ton	4.2	104.3	1.4	1 488.3
852580	Television cameras, digital cameras and video camera recorders	unit	9 649	7 365.1	5 712	8 935.6
852712	Pocket-size radio cassette-players	unit	-	-	-	-
852713	Other apparatus combined with sound recording or reproducing apparatus	unit	2 463	1 313.5	46	3.5
852719	Radio-broadcast receivers capable of operating without an external source of power	unit	3	0.8	6	0.3

Code by HS	ICT equipments	Measure ment unit	2016		2017	
			quantity	thsd US \$	quantity	thsd US \$
851762	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	unit	280 821	37 911.7	283 709	37 195.9
851769	Other apparatus for transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network	unit	25 662	3 129.1	28 641	1 555.5
851770	Parts for telephone sets, including telephones for cellular networks or for other wireless networks	unit	2 513 430	9 804.9	2 501 684	21 797.6
852550	Transmission apparatus	unit	13 865	237.5	5 084	1 232.8
852560	Transmission apparatus in incorporating reception apparatus	unit	140	873.4	1 449	535.5
853110	Burglar or fire alarms and similar apparatus	unit	600 129	4 002.7	408 614	5 626.3
Consumer electronic equipment				46942.5		58 013.6
851810	Microphones and stands therefor	unit	52 809	313.3	17 711	433.1
851821	Single loudspeakers, mounted in their enclosures	unit	53 833	451.2	132 473	759.2
851822	Multiple loudspeakers, mounted in the same enclosure	unit	24 266	1 380.9	17 516	528.8
851829	Loudspeakers, whether or not mounted in their enclosures	unit	81 230	403.2	8 046	178.2
851830	Headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers	unit	1 115 659	1 075.2	2 299 821	1 050.9
851840	Audio-frequency electric amplifiers	unit	11 541	534.3	19 995	1 231.0
851850	Electric sound amplifier sets	unit	1 993	137.9	6 228	184.8
851890	Parts of microphones, loudspeakers, headphones, earphones and electric sound amplifier sets	ton	8	145.3	7	165.1
851920	Apparatus operated by coins, banknotes, bank cards, tokens or by other means of payment	unit	85	2.7	56	1.5
851930	Turntables (record-decks)	unit	20	3.3	9	2.4
851950	Telephone answering machines	unit	3	28.7	222	1.1
851981	Using magnetic, optical or semiconductor media	unit	77 281	262.0	47 000	272.6
851989	Sound recording or reproducing apparatus, other apparatus	unit	14 576	141.2	1 797	220.0
852110	Video recording or reproducing apparatus, whether or not incorporating a video tuner, magnetic tapetype	unit	2 340	70.4	5 136	99.7
852190	Video recording or reproducing apparatus, where or not incorporating a video tuner-other type	unit	51 215	1 432.8	59 186	1 049.5
852210	Parts and accessories suitable for use solely or principally with the apparatus of headings	ton	13	63.1	15	29.2
852290	Other parts of video and audio players	ton	34	606.9	5	120.1
852580	Television cameras, digital cameras and video camera recorders	unit	133 000	4 873.6	172 688	6 462.9
852712	Pocket-size radio cassette-players	unit	9 517	12.8	8 037	15.6
852713	Other apparatus combined with sound recording or reproducing apparatus	unit	67 907	213.2	52 275	55.7
852719	Radio-broadcast receivers capable of operating without an external source of power	unit	16 929	326.7	12 791	23.3

ICT: Import and export

Code by HS	ICT equipments	Measurement unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
852721	Combined with sound recording or reproducing apparatus	unit	5	9.3	2	0.2
852729	Other radio-broadcast receivers for motor vehicles, requiring external source of power	unit	41	1.4	-	-
852791	Combined with sound recording or reproducing apparatus	unit	263	48.4	56	5.4
852792	Not combined with sound recording or reproducing apparatus but combined with a clock	unit	189	18.3	22	1.7
852799	Other reception apparatus for radio-broadcasting	unit	33	7.3	23	15.8
852849	Other cathode-ray tube monitors	unit	7	18.2	230	13.6
852859	Other monitors	unit	2 828	2 262.0	2 084	4 009.3
852869	Other projectors	unit	1 804	2 067.6	298	505.8
852871	Not designed to incorporate a video display or screen	unit	2 2419	3 264.6	13 819	818.1
852872	Reception apparatus for television	unit	18 158	2 228.0	25 810	3 613.9
852873	Other, black and white or other monochrome	unit	2	0.5	220	1.5
Other ICT goods			35 279.4		72 874.0	
852321	Cards incorporating a magnetic stripe	unit	1 621 069	760.1	5 601 595	919.8
852352	Smart cards	unit	22 266 493	7 243.0	79 29 373	12 306.2
852359	Semi-conductor media for the recording of sound or of other phenomena	unit	1913	19.6	386	42.4
852380	Discs, tapes, solid-state non-volatile storage device	unit	24 420	278.2	21 14 765	1 020.6
852910	Aerials and aerial reflectors of all kinds; parts suitable for use	ton	118.3	1 432.5	197.2	572.2
852990	Other parts of radio and video equipments	ton	62.1	22 601.8	157.5	30 177.1
853400	Printed circuits	kg	246.4	235.3	10 255.7	940.3
854011	Cathode-ray television picture tubes	unit	-	-	-	-
854020	Television camera tubes; image converters and intensifiers; other photo-cathode tubes	unit	5	5.2	1	0.5
854060	Other cathode-ray tubes	unit	10	0.8	1	0.1
854071	Microwave tubes, magnetrons, excluding grid-controlled tubes	unit	36	67.3	27	45.9
854079	Microwave tubes, other, excluding grid-controlled tubes	unit	-	-	1	41.2
854081	Receiver or amplifier valves and tubes	unit	26 331	74.4	-	-
854089	Valve and tubes, n.e.s.	unit	7 202	7.0	4	26.7
854099	Parts of thermionic or photo-cathode, valve and tubes, other than cathode-ray tubes	ton	-	-	-	-

Code by HS	ICT equipments	Measurement unit	2016		2017	
			Quantity	thsd US \$	quantity	thsd US \$
852721	Combined with sound recording or reproducing apparatus	unit	17 047	101.1	44 726	146.5
852729	Other radio-broadcast receivers for motor vehicles, requiring external source of power	unit	2 082	23.9	2 994	9.1
852791	Combined with sound recording or reproducing apparatus	unit	17 820	175.2	13 733	325.4
852792	Not combined with sound recording or reproducing apparatus but combined with a clock	unit	371	5.1	809	11.3
852799	Other reception apparatus for radio-broadcasting	unit	2 172	23.9	17 498	70.3
852849	Other cathode-ray tube monitors	unit	2 367	165.2	2 170	98.7
852859	Other monitors	unit	81 279	3 205.6	18 640	2 682.5
852869	Other projectors	unit	1 870	1 429.5	2 784	961.4
852871	Not designed to incorporate a video display or screen	unit	204 754	2 297.7	187 825	1 665.7
852872	Reception apparatus for television	unit	114 049	27 020.2	177 729	39 157.7
852873	Other, black and white or other monochrome	unit	727	16.5	1	0.3
Other ICT goods			22 841.0		30 718.0	
852321	Cards incorporating a magnetic stripe	unit	259 789	147.5	979 938	376.5
852352	Smart cards	unit	8 203 823	7 675.2	6 867 731	5 364.7
852359	Semi-conductor media for the recording of sound or of other phenomena	unit	18 989	117.8	22 789	33.5
852380	Discs, tapes, solid-state non-volatile storage device	unit	36 002	339.7	33 245	499.6
852910	Aerials and aerial reflectors of all kinds; parts suitable for use	ton	582	3 678.4	723	3 236.1
852990	Other parts of radio and video equipments	ton	137	6 453.9	132	15 851.1
853400	Printed circuits	kg	7 539	564.8	5 079	461.5
854011	Cathode-ray television picture tubes	unit	5	12.6	-	-
854020	Television camera tubes; image converters and intensifiers; other photo-cathode tubes	unit	1	2.4	-	-
854060	Other cathode-ray tubes	unit	10	8.7	4	3.0
854071	Microwave tubes, magnetrons, excluding grid-controlled tubes	unit	73	33.5	118	36.8
854079	Microwave tubes, other, excluding grid-controlled tubes	unit	1	0.3	-	-
854081	Receiver or amplifier valves and tubes	unit	4	27.0	-	-
854089	Valve and tubes, n.e.s.	unit	395	36.2	36 592	59.9
854099	Parts of thermionic or photo-cathode, valve and tubes, other than cathode-ray tubes	ton	-	0.5	-	1.8

ICT: Import and export

Code by HS	ICT equipments	Measure ment unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
854110	Diodes, other than photosensitive or light emitting diodes	unit	41 077	99.5	38 174	38.5
854121	Transistors, other than photosensitive, dissipation rate < 1W	unit	902	22.5	624	4.7
854129	Transistors, other than photosensitive transistors, n.e.s.	unit	1079	97.3	3 451	165.4
854130	Thyristors, diacs and triacs, other than photosensitive devices	unit	722	18.9	2 508	71.5
854140	Photosensitive semiconductor devices	unit	244 969	238.0	111 330	24 368.3
854150	Other semiconductor devices	unit	248	11.4	606	82.7
854160	Mounted piezo-electric crystals	unit	7	17.3	8	5.5
854190	Parts for semiconductor devices	ton	0.01	0.7	0.2	0.1
854231	Processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	unit	2 463	1 400.0	2 978	1 412.2
854232	Memories	unit	2 243	39.0	5 574	415.5
854233	Amplifiers	unit	1 220	35.6	665	17.0
854239	Electronic integrated circuits	unit	1 789	250.6	9 641	144.9
854290	Parts for electronic integrated circuits and microassemblies	kg	30.5	196.5	79.6	48.4
901320	Lasers, other than laser diodes	unit	550	126.9	104	6.3

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Code by HS	ICT equipments	Measure ment unit	2016		2017	
			quantity	thsd US \$	quantity	thsd US \$
854110	Diodes, other than photosensitive or light emitting diodes	unit	38 514	49.9	99 436	55.7
854121	Transistors, other than photosensitive, dissipation rate < 1 W	unit	14 911	59.9	128	0.32
854129	Transistors, other than photosensitive transistors, n.e.s.	unit	1 734	199.6	41 146	19.1
854130	Thyristors, diacs and triacs, other than photosensitive devices	unit	337 824	542.7	941	111.0
854140	Photosensitive semiconductor devices	unit	485	76.9	602 541	2 712.6
854150	Other semiconductor devices	unit	331	18.1	363	3.1
854160	Mounted piezo-electric crystals	unit	-	38.0	753	4.4
854190	Parts for semiconductor devices	ton	11 735	2 034.1	-	4.6
854231	Processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	unit	14 344	137.6	28 468	1 125.2
854232	Memories	unit	169	250.1	1 150	394.4
854233	Amplifiers	unit	40 103	247.3	1 636	29.9
854239	Electronic integrated circuits	unit	256	27.2	18 119	218.4
854290	Parts for electronic integrated circuits and microassemblies	kg	2 743	61.4	531	11.2
901320	Lasers, other than laser diodes	unit	38 514	49.9	1 349	103.6

7. Import and export of ICT goods**7.2 ICT equipments exported from the country**

Code by HS	ICT equipments	Measu rement unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
TOTAL			1 751.4		2 430.1	
Computers and peripheral equipment			402.4		868.1	
844331	Machines which perform two or more of the functions of printing, copying or facsimile transmission, capable of connecting to an automatic data processing machine or to anetwork	unit	-	-	-	-
844332	Other, capable of connecting to an automatic data processing machne or to a network	unit	2	0.1	35	24.3
847050	Cash registers	unit	-	-	-	-
847130	Portable data processing machines, weighing not more than 10 kg	unit	30	3.5	57	19.7
847141	Data processing machines comprising in the same housing at least a central processing unit and an input and output unit	unit	6	4.0	207	43.3
847149	Other digital automatic data processing machines	unit	5	27.5	11	18.0
847150	Digital processing units	unit	8	5.6	13	19.9
847160	Input or output units	unit	6	0.02	679	19.6
847170	Storage units	unit	60	19.4	490	59.7
847180	Other units of automatic data processing machines	unit	34	14.9	125	12.0
847190	Other machines for data processing	unit	-	-	-	-
847290	Other office equipment	ton	-	-	-	-
847330	Portable data processing machines, weighing not more than 10 kg	unit	0.9	316.5	0.5	121.7
847350	Parts and accessories equally suitable for use with machines of two or more of the headings	ton	-	-	-	-
852351	Solid-state non-volatile storage devices	unit	79	10.6	437	524.8
852841	Of a kind solely or principally used in an automatic data processing system of heading	unit	-	-	-	-
852851	Of a kind solely or principally used in an automatic data processing system of heading	unit	9	0.2	220	5.1
852861	Of a kind solely or principally used in an automatic data processing system of heading	unit	1	0.1	-	-
Communication equipment			941.7		1 316.5	
851711	Line telephone sets with cordless handsets	unit	-	-	1	0.4
851712	Telephones for cellular networks or for other wireless networks	unit	-	-	10 358	520.1
851718	Other telephones for	unit	84	18.9	61	21.7
851761	Base stations	unit	-	-	2	96.9

...continued

Code by HS	ICT equipments	Measurement unit	2016		2017	
			quantity	thsd US \$	quantity	thsd US \$
TOTAL			3 037.9		2 912.0	
Computers and peripheral equipment			1 083.4		1 523.5	
844331	Machines which perform two or more of the functions of printing, copying or facsimile transmission, capable of connecting to an automatic data processing machine or to a network	unit	4	6.0	331.0	29.7
844332	Other, capable of connecting to an automatic data processing machine or to a network	unit	42	14.6	54.0	33.5
847050	Cash registers	unit	-	-	-	-
847130	Portable data processing machines, weighing not more than 10 kg	unit	548	294.5	682.0	441.1
847141	Data processing machines comprising in the same housing at least a central processing unit and an input and output unit	unit	24	19.6	43.0	25.1
847149	Other digital automatic data processing machines	unit	77	77.2	26.0	52.4
847150	Digital processing units	unit	19	18.1	16.0	126.7
847160	Input or output units	unit	787	4.4	98.0	10.6
847170	Storage units	unit	238	49.4	563.0	225.9
847180	Other units of automatic data processing machines	unit	69	57.4	196.0	57.4
847190	Other machines for data processing	unit	3	1.4	29.0	13.6
847290	Other office equipment	ton	-	-	370.0	1.0
847330	Portable data processing machines, weighing not more than 10 kg	unit	1	193.5	27.8	474.2
847350	Parts and accessories equally suitable for use with machines of two or more of the headings	ton	-	-	-	-
852351	Solid-state non-volatile storage devices	unit	597	339.2	157.0	9.5
852841	Of a kind solely or principally used in an automatic data processing system of heading	unit	117	3.5	-	-
852851	Of a kind solely or principally used in an automatic data processing system of heading	unit	30	4.7	200.0	22.8
852861	Of a kind solely or principally used in an automatic data processing system of heading	unit	-	-	-	-
Communication equipment			1 655.6		1 027.6	
851711	Line telephone sets with cordless handsets	unit	3	0.0	11.0	0.2
851712	Telephones for cellular networks or for other wireless networks	unit	2	2.1	812.0	178.2
851718	Other telephones for	unit	54	6.4	26.0	2.6
851761	Base stations	unit	41	47.0	2.0	0.2

Code by HS	ICT equipments	Measurement unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
851762	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	unit	299	798.0	119	516.8
851769	Other apparatus for transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network	unit	-	-	88	27.7
851770	Parts for telephone sets, including telephones for cellular networks or for other wireless networks	unit	138	124.6	129	84.1
852550	Transmission apparatus	unit	-	-	3	0.2
852560	Transmission apparatus incorporating reception apparatus	unit	-	-	5	2.1
853110	Burglar or fire alarms and similar apparatus	unit	3	0.2	44	46.5
Consumer electronic equipment			198.0		101.3	
851810	Microphones and stands therefor	unit	2	0.3	7	1.2
851821	Single loudspeakers, mounted in their enclosures	unit	2	0.1	1	0.01
851822	Multiple loudspeakers, mounted in the same enclosure	unit	-	-	-	-
851829	Loudspeakers, whether or not mounted in their enclosures	unit	180	51.5	-	-
851830	Headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers	unit	13	2.0	9	0.7
851840	Audio-frequency electric amplifiers	unit	-	-	2	0.1
851850	Electric sound amplifier sets	unit	1	0.03	1	1.2
851890	Parts of microphones, loudspeakers, headphones, earphones and electric sound amplifier sets	ton	-	-	-	-
851920	Apparatus operated by coins, banknotes, bank cards, tokens or by other means of payment	unit	-	-	2	0.4
851930	Turntables (record-decks)	unit	-	-	-	-
851981	Telephone answering machines	unit	5	0.2	9	0.9
851989	Using magnetic, optical or semiconductor media	unit	1	0.1	5	0.4
852110	Sound recording or reproducing apparatus, other apparatus	unit	13	16.1	19	0.4
852190	Video recording or reproducing apparatus, whether or not incorporating a video tuner, magnetic tapetype	unit	55	0.4	2	0.2
852210	Video recording or reproducing apparatus, where or not incorporating a video tuner-other type	unit	0.1	0.2	0.12	1.3
852290	Parts and accessories suitable for use solely or principally with the apparatus of headings	ton	-	-	0.04	0.1
852580	Other parts of video and audio players	ton	15	36.8	9	13.7
852712	Television cameras, digital cameras and video camera recorders	unit	1	0.04	-	-
852713	Pocket-size radio cassette-players	unit	-	-	-	-
852719	Other apparatus combined with sound recording or reproducing apparatus	unit	-	-	-	-

Code by HS	ICT equipments	Measurement unit	2016		2017	
			quantity	thsd US \$	quantity	thsd US \$
851762	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus	unit	706	1 303.3	395.0	717.0
851769	Other apparatus for transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network	unit	21	4.1	32.0	29.1
851770	Parts for telephone sets, including telephones for cellular networks or for other wireless networks	unit	2 797	231.1	629.0	78.7
852550	Transmission apparatus	unit	10 865	57.0	35.0	4.3
852560	Transmission apparatus incorporating reception apparatus	unit	75	3.2	248.0	12.2
853110	Burglar or fire alarms and similar apparatus	unit	23	1.5	519.0	5.1
Consumer electronic equipment				158.7		188.6
851810	Microphones and stands therefor	unit	7 627	25.9	4.0	0.6
851821	Single loudspeakers, mounted in their enclosures	unit	23	1.1	69.0	1.2
851822	Multiple loudspeakers, mounted in the same enclosure	unit	-	-	6.0	0.6
851829	Loudspeakers, whether or not mounted in their enclosures	unit	4	0.6	7.0	1.5
851830	Headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers	unit	7	0.6	59.0	1.0
851840	Audio-frequency electric amplifiers	unit	4	1.7	11.0	24.6
851850	Electric sound amplifier sets	unit	17	4.1	2.0	1.0
851890	Parts of microphones, loudspeakers, headphones, earphones and electric sound amplifier sets	ton	-	0.0	-	0.8
851920	Apparatus operated by coins, banknotes, bank cards, tokens or by other means of payment	unit	6	0.1	-	-
851930	Turntables (record-decks)	unit	-	-	-	-
851981	Telephone answering machines	unit	-	-	15.0	0.8
851989	Using magnetic, optical or semiconductor media	unit	6	0.2	13.0	0.8
852110	Sound recording or reproducing apparatus, other apparatus	unit	11	0.7	-	-
852190	Video recording or reproducing apparatus, whether or not incorporating a video tuner, magnetic tapetype	unit	7	0.0	42.0	4.6
852210	Video recording or reproducing apparatus, where or not incorporating a video tuner-other type	unit	56	5.3	-	0.0
852290	Parts and accessories suitable for use solely or principally with the apparatus of headings	ton	-	-	0.1	1.0
852580	Other parts of video and audio players	ton	-	-	68.0	40.0
852712	Television cameras, digital cameras and video camera recorders	unit	46	12.0	-	-
852713	Pocket-size radio cassette-players	unit	-	-	-	-
852719	Other apparatus combined with sound recording or reproducing apparatus	unit	1	0.2	2.0	0.1

Code by HS	ICT equipments	Measurement unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
852721	Combined with sound recording or reproducing apparatus	unit	-	-	1	0.1
852729	Other radio-broadcast receivers for motor vehicles, requiring external source of power	unit	-	-	-	-
852791	Combined with sound recording or reproducing apparatus	unit	-	-	1	0.2
852792	Not combined with sound recording or reproducing apparatus but combined with a clock	unit	-	-	-	-
852799	Other reception apparatus for radio-broadcasting	unit	-	-	-	-
852849	Other cathode-ray tube monitors	unit	-	-	-	-
852859	Other monitors	unit	316	61.4	339	39.6
852869	Other projectors	unit	-	-	19	38.0
852871	Not designed to incorporate a video display or screen	unit	1	24.5	-	-
852872	Reception apparatus for television	unit	17	4.3	11	2.8
852873	Other, black and white or other monochrome	unit	-	-	-	-
Other ICT goods			209.3		144.2	
852321	Cards incorporating a magnetic stripe	unit	-	-	-	-
852352	Smart cards	unit	-	-	602	3.8
852359	Semi-conductor media for the recording of sound or of other phenomena	unit	-	-	-	-
852380	Discs, tapes, solid-state non-volatile storage device	unit	12	0.3	5	0.1
852910	Aerials and aerial reflectors of all kinds; parts suitable for use	ton	0.3	74.7	0.06	7.5
852990	Other parts of radio and video equipments	ton	1.9	37.1	4.63	45.7
853400	Printed circuits	kg	28.0	31.1	17.1	6.7
854011	Cathode-ray television picture tubes	unit	-	-	-	-
854020	Television camera tubes; image converters and intensifiers; other photo-cathode tubes	unit	-	-	1	2.3
854060	Other cathode-ray tubes	unit	-	-	-	-
854071	Microwave tubes, magnetrons, excluding grid-controlled tubes	unit	-	-	-	-
854079	Microwave tubes, other, excluding grid-controlled tubes	unit	-	-	-	-
854081	Receiver or amplifier valves and tubes	unit	-	-	-	-
854089	Valve and tubes, n.e.s.	unit	-	-	-	-
854099	Parts of thermionic or photo-cathode, valve and tubes, other than cathode-ray tubes	ton	-	-	-	-

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Code by HS	ICT equipments	Measurement unit	2016		2017	
			quantity	thsd US \$	quantity	thsd US \$
852721	Combined with sound recording or reproducing apparatus	unit	5	0.3	1.0	0.1
852729	Other radio-broadcast receivers for motor vehicles, requiring external source of power	unit	2	0.8	-	-
852791	Combined with sound recording or reproducing apparatus	unit	1	26.1	2.0	0.3
852792	Not combined with sound recording or reproducing apparatus but combined with a clock	unit	-	-	-	-
852799	Other reception apparatus for radio-broadcasting	unit	-	-	3.0	0.1
852849	Other cathode-ray tube monitors	unit	2	0.1	3.0	0.2
852859	Other monitors	unit	218	37.0	137.0	78.4
852869	Other projectors	unit	8	8.3	-	-
852871	Not designed to incorporate a video display or screen	unit	-	-	2.0	0.2
852872	Reception apparatus for television	unit	231	34.0	184.0	30.7
852873	Other, black and white or other monochrome	unit	-	-	-	-
Other ICT goods			140.2		172.3	
852321	Cards incorporating a magnetic stripe	unit	-	-	1.0	0.1
852352	Smart cards	unit	3	0.8	4.0	0.5
852359	Semi-conductor media for the recording of sound or of other phenomena	unit	3	0.0	1.0	0.0
852380	Discs, tapes, solid-state non-volatile storage device	unit	1 843	0.4	450.0	4.7
852910	Aerials and aerial reflectors of all kinds; parts suitable for use	ton	0	9.9	0.2	72.3
852990	Other parts of radio and video equipments	ton	2	66.0	3.6	12.2
853400	Printed circuits	kg	4	4.6	2.4	0.3
854011	Cathode-ray television picture tubes	unit	-	-	-	-
854020	Television camera tubes; image converters and intensifiers; other photo-cathode tubes	unit	-	-	-	-
854060	Other cathode-ray tubes	unit	-	-	-	-
854071	Microwave tubes, magnetrons, excluding grid-controlled tubes	unit	-	-	-	-
854079	Microwave tubes, other, excluding grid-controlled tubes	unit	-	-	-	-
854081	Receiver or amplifier valves and tubes	unit	-	-	-	-
854089	Valve and tubes, n.e.s.	unit	-	-	-	-
854099	Parts of thermionic or photo-cathode, valve and tubes, other than cathode-ray tubes	ton	-	-	-	-

Code by HS	ICT equipments	Measurement unit	2014		2015	
			quantity	thsd US \$	quantity	thsd US \$
854110	Diodes, other than photosensitive or light emitting diodes	unit	-	-	2	0.1
854121	Transistors, other than photosensitive, dissipation rate < 1 W	unit	-	-	1	0.2
854129	Transistors, other than photosensitive transistors, n.e.s.	unit	-	-	-	-
854130	Thyristors, diacs and triacs, other than photosensitive devices	unit	-	-	-	-
854140	Photosensitive semiconductor devices	unit	-	-	-	-
854150	Other semiconductor devices	unit	-	-	1	3
854160	Mounted piezo-electric crystals	unit	-	-	-	-
854190	Parts for semiconductor devices	ton	-	-	-	-
854231	Processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	unit	12 320	65.4	27	73.6
854232	Memories	unit	13	0.6	16	1.2
854233	Amplifiers	unit	-	-	-	-
854239	Electronic integrated circuits	unit	-	-	-	-
854290	Parts for electronic integrated circuits and microassemblies	kg	-	-	-	-
901320	Lasers, other than laser diodes	unit	1	0.1	-	-

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Code by HS	ICT equipments	Measurement unit	2016		2017	
			quantity	thsd US \$	quantity	thsd US \$
854110	Diodes, other than photosensitive or light emitting diodes	unit	9	0.4	1.0	0.1
854121	Transistors, other than photosensitive, dissipation rate < 1 W	unit	6	1.7	-	-
854129	Transistors, other than photosensitive transistors, n.e.s.	unit	1	0.1	2.0	0.3
854130	Thyristors, diacs and triacs, other than photosensitive devices	unit	97	0.8	-	-
854140	Photosensitive semiconductor devices	unit	1	0.0	2.0	0.2
854150	Other semiconductor devices	unit	-	-	57.0	3.8
854160	Mounted piezo-electric crystals	unit	-	-	-	-
854190	Parts for semiconductor devices	ton	60	45.4	0.1	3.0
854231	Processors and controllers, whether or not combined with memories, converters, logic circuits, amplifiers, clock and timing circuits, or other circuits	unit	13	0.3	62.0	68.3
854232	Memories	unit	-	-	130.0	5.9
854233	Amplifiers	unit	5	7.9	-	-
854239	Electronic integrated circuits	unit	-	-	26.0	0.3
854290	Parts for electronic integrated circuits and microassemblies	kg	4	1.7	-	-
901320	Lasers, other than laser diodes	unit	9	0.4	11	0.25

8. Methodological explanations¹⁵

Household refers to an individual or a group of individuals having common budget and living location (dwelling, flat, room etc.). The ties of relationship is not important, and household members living together and having common economy may not be relatives.

Fixed telephone lines refer to telephone lines connecting a customer's terminal equipment (e.g. telephone set, facsimile machine) to the public switched telephone network (PSTN) and which have a dedicated number on a telephone exchange. *Fixed telephone sets per 100 inhabitants* is calculated by dividing the number of fixed telephone lines by the population and multiplying by 100.

Mobile cellular subscribers refer to users of portable telephones subscribing to an automatic public mobile telephone service using cellular technology, which provides access to the PSTN. Users of both post-paid subscriptions and pre-paid accounts are included. *Mobile cellular subscribers per 100 inhabitants* is obtained by dividing the number of mobile cellular subscribers by the population and multiplying by 100.

Computers refer the number of computers installed in a country. The statistic includes PCs, laptops, notebooks etc, but excludes terminals connected to mainframe and mini-computers that are primarily intended for shared use, and devices such as smart-phones and personal digital assistants (PDAs) that have only some, but not all, of the components of a PC (e.g. they may lack a full-sized keyboard, a large screen, an Internet connection, drives etc.). Computer users refer to persons who have used computer within 12 months irrespective of their place. *Computers per 100 inhabitants* is obtained by dividing the estimated number of computers in use by the population and multiplying by 100.

Internet subscribers are persons paid for connection to Internet. All subscribers are taking into accounts regardless of connection speed, internet access and form of payments.

Internet users are persons have connection to internet and used it and internet users per 100 inhabitants is obtained by dividing the number of internet users by the number of population and multiplying by 100.

Households with internet access are households having access via computer, mobile phone, and other ICT equipments regardless the place of residence.

Population used Internet - persons using Internet during the last 12 months regardless of place of residence and for different purposes. Share of population used internet is obtained by dividing the number of Internet users aged 7 years old and over by the population at the same age group and multiplying by 100.

ICT sector consists of production and service fields that cover storing, transmitting and reading the information and data in the electronic format. It comprises by NACE

- manufacture of office machinery;
- manufacture of computers and other information processing equipment;
- manufacture of insulated wire and cable;
- manufacture of electronic valves and tubes and other electronic components;
- manufacture of television and radio transmitters and apparatus for line telephony and line telegraphy;
- manufacture of television and radio receivers, sound or video recording or reproducing apparatus and associated goods;
- manufacture of instruments and appliances for measuring, checking, testing, navigating and other purposes, except industrial process control equipment;
- manufacture of industrial process control equipment;
- wholesale of electrical household appliances and radio and television goods;
- wholesale of computers, computer peripheral equipment and software;
- wholesale of other office machinery and equipment;
- telecommunications;
- renting of office machinery and equipment, including computers;
- hardware consultancy;
- publishing of software;
- other software consultancy and supply;
- data processing;
- database activities;
- maintenance and repair of office, accounting and computing machinery;
- other computer related activities.

ICT goods are intended to fulfill the function of information processing and communication by electronic means, including transmission and display, or use electronic processing to detect, measure and/or record physical phenomena, or to control a physical process.

ICT Development Index is a main indicator characterizing development dynamics of the ICT in the world countries. This indicator is defined by ITU and represents and summarizes ICT basic indicators for comparison by corresponding periods. While calculating index, 11 indicators are used and ideal middle indicator (median indicator) and specific weights for aggregation are defined in the world level on each indicator. Private data on some countries are divided into the middle of specified indicator on each indicator and multiplied specific weight defined on the same indicator. In aggregation specific weight of each groups the first named ``Introduction to ICT`` and the second ``Usage from ICT`` is 40%, but specific weight on ``ICT knowledge`` is 20%. Specific weight of each indicator in the first group is 20%, but in the second and third groups specific weight of each indicator is in the level of 33%. Advantage of indicator consist of that, development level of ICT on world countries is possible compare on the basis of aggregated middle indicators not by any private indicator. In the first group are basically taken indicators on fixed telephone lines for per 100 inhabitants, mobile cellular telephone subscriptions for per 100 population, volume of the International Internet Bandwidth for per internet user, proportion of households with computer, proportion of households with internet access at home, in the second group number of internet users for per 100 inhabitants, number of fixed broadband internet subscribers per 100 inhabitants, number of mobile broadband subscriptions per 100 inhabitants, in the third group adult literacy rate, gross enrolment ratio (higher and secondary).

¹⁵ Publications of international organizations are used on preparation of definition and conception.

Leading for publication:

The Chairman of the State Statistical Committee

Tahir Budagov

Responsible preparation of publication:

Head of the Department of Service Statistic

Gulbala Guliyev

Executors:

Ismail Suleymanov

Arzuman Zeynili

Address:

AZ1136 Baku city,
Inshaatchilar avenue.81
http: www.stat.gov.az
e-mail: sc@azstat.org;
ismails@azstat.org
