

The Little Data Book on Information and Communication Technology

09

Economic and social context
Structure
Efficiency and capacity
Performance
Access

Usage
Quality
Affordability
Trade
Applications



2009 | **THE LITTLE DATA BOOK
ON INFORMATION AND
COMMUNICATION
TECHNOLOGY**



THE WORLD BANK

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Preface

The last 15 years have brought an unprecedented increase in access to telephone services. This growth has been driven primarily by wireless technologies and liberalization of telecommunications markets. Mobile communications evolved from simple voice and text services to diversified applications and now reach more than 4 billion people globally, including people in remote and rural areas. The number of Internet users more than tripled between 2000 and 2007, and the demand for broadband connection is rising.

The impacts of information and communication technologies cross all sectors. Research shows that investment in information and communication technologies is associated with such economic benefits as higher productivity, lower costs, new economic opportunities, job creation, innovation, and increased trade and exports. Information and communication technologies also help provide better services in health and education and strengthen social cohesion.

The Little Data Book on Information and Communication Technology 2009 charts the progress of this revolution for 209 countries around the world. It provides comparable statistics on the sector for 2000 and 2007 across a range of indicators, enabling readers to readily compare countries.

This book includes indicators covering the economic and social context, the structure of the information and communication technology sector, sector efficiency and capacity, and sector performance related to access, usage, quality, affordability, trade, and applications. The *Glossary* contains definitions of the terms used in the tables.

For more information about these data or other World Bank data publications, visit our data Web site at www.worldbank.org/data or the Web site of the Global Information and Communication Technologies Department at www.worldbank.org/ict or call our data hotline at 800.590.1906 or 202.473.7824.

Data notes

The data in this book are for 2000 and 2007 or the most recent year unless otherwise noted in the table or the *Glossary*.

- Growth rates are proportional changes from the previous year unless otherwise noted.
- Regional aggregates include data for low- and middle-income economies only.
- Italics indicate data for years or periods other than those specified.

Symbols used:

- .. indicates that data are not available or that aggregates cannot be calculated because of missing data.
- 0 or 0.0** indicates zero or small enough that the number would round to zero at the displayed number of decimal places.
- \$** indicates current U.S. dollars.

Data are shown for economies with populations greater than 30,000 or for smaller economies if they are members of the World Bank. The term *country* (used interchangeably with *economy*) does not imply political independence or official recognition by the World Bank but refers to any economy for which the authorities report separate social or economic statistics.

Regional tables

The country composition of regions is based on the World Bank's analytical regions and may differ from common geographic usage.

East Asia and Pacific

American Samoa, Cambodia, China, Fiji, Indonesia, Kiribati, Democratic Republic of Korea, Lao People's Democratic Republic, Malaysia, Marshall Islands, Federated States of Micronesia, Mongolia, Myanmar, Palau, Papua New Guinea, Philippines, Samoa, Solomon Islands, Thailand, Timor-Leste, Tonga, Vanuatu, Vietnam

Europe and Central Asia

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Poland, Romania, Russian Federation, Serbia, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan

Latin America and the Caribbean

Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Uruguay, Bolivarian Republic of Venezuela

Middle East and North Africa

Algeria, Djibouti, Arab Republic of Egypt, Islamic Republic of Iran, Iraq, Jordan, Lebanon, Libya, Morocco, Syrian Arab Republic, Tunisia, West Bank and Gaza, Republic of Yemen

South Asia

Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

Sub-Saharan Africa

Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Democratic Republic of the Congo, Republic of Congo, Côte d'Ivoire, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

World

	2000	2007
Economic and social context		
Population (millions)	6,073	6,610
Urban population (% of total)	47	50
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,267	7,995
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.2	3.2
Adult literacy rate (% ages 15 and older)	82	84
Gross primary, secondary, and tertiary enrollment (%)	64	68
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	3.2
Mobile and fixed-line subscribers per employee	157	664
Telecommunications investment (% of revenue)	26.7	18.8
Performance		
Access		
Telephone lines (per 100 people)	16.1	19.6
Mobile cellular subscriptions (per 100 people)	12.2	51.2
Internet subscribers (per 100 people)	2.3	7.7
Personal computers (per 100 people)	8.0	15.3
Households with a television (%)	79	89
Usage		
International voice traffic (minutes per person per month)	3.2	..
Mobile telephone usage (minutes per user per month)	195	283
Internet users (per 100 people)	6.7	21.8
Quality		
Population covered by mobile cellular network (%)	..	80
Fixed broadband subscribers (% of total Internet subscribers)	15.7	55.0
International Internet bandwidth (bits per second per person)	102	3,297
Affordability		
Price basket for residential fixed line (\$ a month)	10.2	9.7
Price basket for mobile service (\$ a month)	..	10.4
Price basket for Internet service (\$ a month)	..	21.8
Price of call to United States (\$ for 3 minutes)	3.01	1.42
Trade		
ICT goods exports (% of total goods exports)	18.1	15.4
ICT goods imports (% of total goods imports)	17.9	15.2
ICT service exports (% of total service exports)	5.6	6.7
Applications		
ICT expenditure (% of GDP)	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32
Secure Internet servers (per million people)	21.8	111.5

East Asia & Pacific

	2000	2007
Economic and social context		
Population (millions)	1,804	1,912
Urban population (% of total)	37	43
GNI per capita, <i>World Bank Atlas</i> method (\$)	908	2,182
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.0	9.0
Adult literacy rate (% ages 15 and older)	91	93
Gross primary, secondary, and tertiary enrollment (%)	66	69
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.0	3.0
Mobile and fixed-line subscribers per employee	151	546
Telecommunications investment (% of revenue)	30.7	..
Performance		
Access		
Telephone lines (per 100 people)	9.3	23.1
Mobile cellular subscriptions (per 100 people)	5.8	43.7
Internet subscribers (per 100 people)	0.7	9.3
Personal computers (per 100 people)	1.6	5.6
Households with a television (%)	53	53
Usage		
International voice traffic (minutes per person per month)	0.5	0.8
Mobile telephone usage (minutes per user per month)	247	333
Internet users (per 100 people)	1.9	14.6
Quality		
Population covered by mobile cellular network (%)	..	93
Fixed broadband subscribers (% of total Internet subscribers)	0.2	41.8
International Internet bandwidth (bits per second per person)	2	247
Affordability		
Price basket for residential fixed line (\$ a month)	6.9	5.8
Price basket for mobile service (\$ a month)	..	5.0
Price basket for Internet service (\$ a month)	..	14.4
Price of call to United States (\$ for 3 minutes)	4.32	1.16
Trade		
ICT goods exports (% of total goods exports)	30.4	30.9
ICT goods imports (% of total goods imports)	27.3	28.1
ICT service exports (% of total service exports)	4.7	5.2
Applications		
ICT expenditure (% of GDP)	..	7.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18
Secure Internet servers (per million people)	0.3	1.9

Europe & Central Asia

	2000	2007
Economic and social context		
Population (millions)	444	446
Urban population (% of total)	63	64
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,037	6,052
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.7	6.1
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, and tertiary enrollment (%)	..	82
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	2.9
Mobile and fixed-line subscribers per employee	101	532
Telecommunications investment (% of revenue)	24.2	22.0
Performance		
Access		
Telephone lines (per 100 people)	21.6	25.7
Mobile cellular subscriptions (per 100 people)	7.8	95.0
Internet subscribers (per 100 people)	1.0	13.6
Personal computers (per 100 people)	4.9	10.6
Households with a television (%)	87	96
Usage		
International voice traffic (minutes per person per month)	2.8	..
Mobile telephone usage (minutes per user per month)	85	154
Internet users (per 100 people)	2.6	21.4
Quality		
Population covered by mobile cellular network (%)	..	92
Fixed broadband subscribers (% of total Internet subscribers)	4.0	32.5
International Internet bandwidth (bits per second per person)	12	1,114
Affordability		
Price basket for residential fixed line (\$ a month)	8.6	5.8
Price basket for mobile service (\$ a month)	..	11.8
Price basket for Internet service (\$ a month)	..	12.0
Price of call to United States (\$ for 3 minutes)	3.19	1.63
Trade		
ICT goods exports (% of total goods exports)	2.1	1.8
ICT goods imports (% of total goods imports)	8.6	7.0
ICT service exports (% of total service exports)	4.0	5.0
Applications		
ICT expenditure (% of GDP)	..	5.0
E-gov't Web measure index (0–1, 1=highest presence)	..	0.36
Secure Internet servers (per million people)	2.8	23.9

Latin America & Caribbean

	2000	2007
Economic and social context		
Population (millions)	512	561
Urban population (% of total)	75	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,788	5,801
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	3.6
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, and tertiary enrollment (%)	79	81
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.0	3.8
Mobile and fixed-line subscribers per employee	244	530
Telecommunications investment (% of revenue)	26.3	..
Performance		
Access		
Telephone lines (per 100 people)	14.5	18.1
Mobile cellular subscriptions (per 100 people)	12.1	67.0
Internet subscribers (per 100 people)	1.3	4.5
Personal computers (per 100 people)	4.9	11.3
Households with a television (%)	77	84
Usage		
International voice traffic (minutes per person per month)	3.0	..
Mobile telephone usage (minutes per user per month)	127	116
Internet users (per 100 people)	3.8	26.9
Quality		
Population covered by mobile cellular network (%)	..	91
Fixed broadband subscribers (% of total Internet subscribers)	3.0	81.7
International Internet bandwidth (bits per second per person)	8	1,126
Affordability		
Price basket for residential fixed line (\$ a month)	15.7	9.5
Price basket for mobile service (\$ a month)	..	10.4
Price basket for Internet service (\$ a month)	..	25.7
Price of call to United States (\$ for 3 minutes)	2.46	1.21
Trade		
ICT goods exports (% of total goods exports)	12.4	11.4
ICT goods imports (% of total goods imports)	16.6	15.9
ICT service exports (% of total service exports)	6.5	4.7
Applications		
ICT expenditure (% of GDP)	..	4.9
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44
Secure Internet servers (per million people)	4.0	18.2

Middle East & North Africa

	2000	2007
Economic and social context		
Population (millions)	276	313
Urban population (% of total)	55	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,640	2,820
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.5	4.4
Adult literacy rate (% ages 15 and older)	68	73
Gross primary, secondary, and tertiary enrollment (%)	62	70
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	1.9	3.1
Mobile and fixed-line subscribers per employee	139	691
Telecommunications investment (% of revenue)	39.8	21.7
Performance		
Access		
Telephone lines (per 100 people)	8.6	17.0
Mobile cellular subscriptions (per 100 people)	2.3	50.7
Internet subscribers (per 100 people)	0.1	2.4
Personal computers (per 100 people)	2.5	6.3
Households with a television (%)	85	94
Usage		
International voice traffic (minutes per person per month)	1.3	2.7
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.9	17.1
Quality		
Population covered by mobile cellular network (%)	..	93
Fixed broadband subscribers (% of total Internet subscribers)	..	..
International Internet bandwidth (bits per second per person)	1	186
Affordability		
Price basket for residential fixed line (\$ a month)	8.8	3.9
Price basket for mobile service (\$ a month)	..	6.5
Price basket for Internet service (\$ a month)	..	11.6
Price of call to United States (\$ for 3 minutes)	3.67	1.45
Trade		
ICT goods exports (% of total goods exports)	..	..
ICT goods imports (% of total goods imports)	..	..
ICT service exports (% of total service exports)	3.1	2.6
Applications		
ICT expenditure (% of GDP)	..	4.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22
Secure Internet servers (per million people)	0.2	1.3

South Asia

	2000	2007
Economic and social context		
Population (millions)	1,358	1,522
Urban population (% of total)	27	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	444	880
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.4	7.3
Adult literacy rate (% ages 15 and older)	58	63
Gross primary, secondary, and tertiary enrollment (%)	53	60
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	1.5	2.1
Mobile and fixed-line subscribers per employee	60	660
Telecommunications investment (% of revenue)	25.9	..
Performance		
Access		
Telephone lines (per 100 people)	2.7	3.2
Mobile cellular subscriptions (per 100 people)	0.3	22.8
Internet subscribers (per 100 people)	0.2	1.3
Personal computers (per 100 people)	0.4	3.3
Households with a television (%)	22	42
Usage		
International voice traffic (minutes per person per month)	0.2	..
Mobile telephone usage (minutes per user per month)	198	364
Internet users (per 100 people)	0.5	6.6
Quality		
Population covered by mobile cellular network (%)	24	61
Fixed broadband subscribers (% of total Internet subscribers)	0.0	18.9
International Internet bandwidth (bits per second per person)	1	31
Affordability		
Price basket for residential fixed line (\$ a month)	6.5	4.0
Price basket for mobile service (\$ a month)	..	2.4
Price basket for Internet service (\$ a month)	..	8.0
Price of call to United States (\$ for 3 minutes)	3.48	2.02
Trade		
ICT goods exports (% of total goods exports)	1.6	1.2
ICT goods imports (% of total goods imports)	6.5	8.1
ICT service exports (% of total service exports)	29.5	39.0
Applications		
ICT expenditure (% of GDP)	..	5.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37
Secure Internet servers (per million people)	0.1	1.1

Sub-Saharan Africa

	2000	2007
Economic and social context		
Population (millions)	673	800
Urban population (% of total)	33	36
GNI per capita, <i>World Bank Atlas</i> method (\$)	485	951
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.2	5.1
Adult literacy rate (% ages 15 and older)	59	62
Gross primary, secondary, and tertiary enrollment (%)	43	51
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	4.7
Mobile and fixed-line subscribers per employee	73	499
Telecommunications investment (% of revenue)	32.5	..
Performance		
Access		
Telephone lines (per 100 people)	1.4	1.6
Mobile cellular subscriptions (per 100 people)	1.7	23.0
Internet subscribers (per 100 people)	0.2	1.2
Personal computers (per 100 people)	0.9	1.8
Households with a television (%)	12	18
Usage		
International voice traffic (minutes per person per month)	0.6	..
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.5	4.4
Quality		
Population covered by mobile cellular network (%)	..	56
Fixed broadband subscribers (% of total Internet subscribers)	0.2	3.1
International Internet bandwidth (bits per second per person)	1	36
Affordability		
Price basket for residential fixed line (\$ a month)	8.4	12.6
Price basket for mobile service (\$ a month)	..	11.6
Price basket for Internet service (\$ a month)	..	43.1
Price of call to United States (\$ for 3 minutes)	5.88	2.43
Trade		
ICT goods exports (% of total goods exports)	0.9	1.1
ICT goods imports (% of total goods imports)	8.8	8.2
ICT service exports (% of total service exports)	3.4	4.2
Applications		
ICT expenditure (% of GDP)	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16
Secure Internet servers (per million people)	..	2.9

Income group tables

For operational and analytical purposes the World Bank's main criterion for classifying economies is gross national income (GNI) per capita. Every economy in *The Little Data Book on Information and Communication Technology* is classified as low income, middle income, or high income. Low- and middle-income economies are sometimes referred to as developing economies. The use of the term is convenient; it is not intended to imply that all economies in the group are experiencing similar development or that other economies have reached a preferred or final stage of development. Classification by income does not necessarily reflect development status.

Low-income economies are those with a GNI per capita of \$935 or less in 2007.

Middle-income economies are those with a GNI per capita of more than \$935 but less than \$11,456. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$3,705.

High-income economies are those with a GNI per capita of \$11,456 or more.

Euro area includes the member states of the Economic and Monetary Union of the European Union that have adopted the euro as their currency: Austria, Belgium, Cyprus, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Malta, Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

	2000	2007
Economic and social context		
Population (millions)	1,108	1,296
Urban population (% of total)	29	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	320	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.8	5.6
Adult literacy rate (% ages 15 and older)	60	64
Gross primary, secondary, and tertiary enrollment (%)	46	51
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	1.8	3.3
Mobile and fixed-line subscribers per employee	50	301
Telecommunications investment (% of revenue)	26.7	..
Performance		
Access		
Telephone lines (per 100 people)	1.2	4.0
Mobile cellular subscriptions (per 100 people)	0.3	21.5
Internet subscribers (per 100 people)	0.1	0.8
Personal computers (per 100 people)	0.4	1.5
Households with a television (%)	12	16
Usage		
International voice traffic (minutes per person per month)	0.4	..
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.2	5.2
Quality		
Population covered by mobile cellular network (%)	..	54
Fixed broadband subscribers (% of total Internet subscribers)	0.1	3.4
International Internet bandwidth (bits per second per person)	0	26
Affordability		
Price basket for residential fixed line (\$ a month)	8.4	5.7
Price basket for mobile service (\$ a month)	..	11.2
Price basket for Internet service (\$ a month)	..	29.2
Price of call to United States (\$ for 3 minutes)	5.97	2.00
Trade		
ICT goods exports (% of total goods exports)	..	1.4
ICT goods imports (% of total goods imports)	..	6.7
ICT service exports (% of total service exports)	..	..
Applications		
ICT expenditure (% of GDP)	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11
Secure Internet servers (per million people)	..	0.5

Middle income

	2000	2007
Economic and social context		
Population (millions)	3,959	4,258
Urban population (% of total)	44	48
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,392	2,910
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.1	6.2
Adult literacy rate (% ages 15 and older)	83	85
Gross primary, secondary, and tertiary enrollment (%)	65	69
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.8	3.2
Mobile and fixed-line subscribers per employee	153	595
Telecommunications investment (% of revenue)	27.0	22.5
Performance		
Access		
Telephone lines (per 100 people)	10.0	16.7
Mobile cellular subscriptions (per 100 people)	5.6	47.6
Internet subscribers (per 100 people)	0.7	6.6
Personal computers (per 100 people)	2.2	5.6
Households with a television (%)	80	89
Usage		
International voice traffic (minutes per person per month)	1.0	..
Mobile telephone usage (minutes per user per month)	162	258
Internet users (per 100 people)	1.9	15.2
Quality		
Population covered by mobile cellular network (%)	..	83
Fixed broadband subscribers (% of total Internet subscribers)	0.7	42.5
International Internet bandwidth (bits per second per person)	4	389
Affordability		
Price basket for residential fixed line (\$ a month)	10.1	8.9
Price basket for mobile service (\$ a month)	..	10.2
Price basket for Internet service (\$ a month)	..	16.5
Price of call to United States (\$ for 3 minutes)	3.24	1.65
Trade		
ICT goods exports (% of total goods exports)	17.0	16.9
ICT goods imports (% of total goods imports)	18.3	18.0
ICT service exports (% of total service exports)	7.5	4.9
Applications		
ICT expenditure (% of GDP)	..	5.9
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35
Secure Internet servers (per million people)	1.2	6.5

Lower middle income

	2000	2007
Economic and social context		
Population (millions)	3,178	3,435
Urban population (% of total)	37	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	851	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.4	8.0
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, and tertiary enrollment (%)	62	68
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.6	3.1
Mobile and fixed-line subscribers per employee	125	624
Telecommunications investment (% of revenue)	28.1	25.3
Performance		
Access		
Telephone lines (per 100 people)	7.7	15.3
Mobile cellular subscriptions (per 100 people)	3.7	38.9
Internet subscribers (per 100 people)	0.5	6.0
Personal computers (per 100 people)	1.3	4.6
Households with a television (%)	68	79
Usage		
International voice traffic (minutes per person per month)	0.6	..
Mobile telephone usage (minutes per user per month)	190	322
Internet users (per 100 people)	1.2	12.4
Quality		
Population covered by mobile cellular network (%)	..	80
Fixed broadband subscribers (% of total Internet subscribers)	0.3	40.4
International Internet bandwidth (bits per second per person)	2	199
Affordability		
Price basket for residential fixed line (\$ a month)	8.2	7.2
Price basket for mobile service (\$ a month)	..	9.8
Price basket for Internet service (\$ a month)	..	16.7
Price of call to United States (\$ for 3 minutes)	3.52	2.08
Trade		
ICT goods exports (% of total goods exports)	18.3	20.6
ICT goods imports (% of total goods imports)	18.5	20.2
ICT service exports (% of total service exports)	10.5	15.6
Applications		
ICT expenditure (% of GDP)	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33
Secure Internet servers (per million people)	0.3	1.8

Upper middle income

	2000	2007
Economic and social context		
Population (millions)	781	824
Urban population (% of total)	73	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,593	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	4.3
Adult literacy rate (% ages 15 and older)	93	94
Gross primary, secondary, and tertiary enrollment (%)	81	82
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	3.3
Mobile and fixed-line subscribers per employee	247	566
Telecommunications investment (% of revenue)	26.3	..
Performance		
Access		
Telephone lines (per 100 people)	19.3	22.6
Mobile cellular subscriptions (per 100 people)	13.0	84.1
Internet subscribers (per 100 people)	1.6	9.4
Personal computers (per 100 people)	5.7	12.4
Households with a television (%)	87	92
Usage		
International voice traffic (minutes per person per month)	3.0	..
Mobile telephone usage (minutes per user per month)	158	137
Internet users (per 100 people)	4.6	26.6
Quality		
Population covered by mobile cellular network (%)	..	95
Fixed broadband subscribers (% of total Internet subscribers)	1.4	47.8
International Internet bandwidth (bits per second per person)	12	1,185
Affordability		
Price basket for residential fixed line (\$ a month)	12.8	10.6
Price basket for mobile service (\$ a month)	..	10.9
Price basket for Internet service (\$ a month)	..	16.4
Price of call to United States (\$ for 3 minutes)	2.74	1.55
Trade		
ICT goods exports (% of total goods exports)	15.9	13.5
ICT goods imports (% of total goods imports)	18.1	16.2
ICT service exports (% of total service exports)	4.7	4.6
Applications		
ICT expenditure (% of GDP)	..	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37
Secure Internet servers (per million people)	4.8	26.2

Low and middle income

	2000	2007
Economic and social context		
Population (millions)	5,068	5,554
Urban population (% of total)	41	44
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,157	2,366
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.1	6.2
Adult literacy rate (% ages 15 and older)	78	81
Gross primary, secondary, and tertiary enrollment (%)	61	65
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.8	3.3
Mobile and fixed-line subscribers per employee	100	624
Telecommunications investment (% of revenue)	26.9	..
Performance		
Access		
Telephone lines (per 100 people)	8.1	14.0
Mobile cellular subscriptions (per 100 people)	4.4	41.8
Internet subscribers (per 100 people)	0.6	5.9
Personal computers (per 100 people)	1.8	5.3
Households with a television (%)	44	63
Usage		
International voice traffic (minutes per person per month)	0.9	..
Mobile telephone usage (minutes per user per month)	..	252
Internet users (per 100 people)	1.6	13.1
Quality		
Population covered by mobile cellular network (%)	..	76
Fixed broadband subscribers (% of total Internet subscribers)	0.7	41.5
International Internet bandwidth (bits per second per person)	3	318
Affordability		
Price basket for residential fixed line (\$ a month)	9.3	8.3
Price basket for mobile service (\$ a month)	..	10.0
Price basket for Internet service (\$ a month)	..	22.6
Price of call to United States (\$ for 3 minutes)	3.98	1.85
Trade		
ICT goods exports (% of total goods exports)	16.5	16.1
ICT goods imports (% of total goods imports)	17.9	17.5
ICT service exports (% of total service exports)	7.5	4.9
Applications		
ICT expenditure (% of GDP)	..	5.9
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27
Secure Internet servers (per million people)	1.0	5.2

Euro area

	2000	2007
Economic and social context		
Population (millions)	312	324
Urban population (% of total)	72	73
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,923	35,818
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.8	1.7
Adult literacy rate (% ages 15 and older)	..	..
Gross primary, secondary, and tertiary enrollment (%)	90	93
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.6	2.8
Mobile and fixed-line subscribers per employee	409	725
Telecommunications investment (% of revenue)	22.8	15.9
Performance		
Access		
Telephone lines (per 100 people)	53.1	53.3
Mobile cellular subscriptions (per 100 people)	60.4	116.5
Internet subscribers (per 100 people)	12.4	22.5
Personal computers (per 100 people)	26.1	55.5
Households with a television (%)	97	97
Usage		
International voice traffic (minutes per person per month)	15.8	..
Mobile telephone usage (minutes per user per month)	106	163
Internet users (per 100 people)	22.8	59.2
Quality		
Population covered by mobile cellular network (%)	99	99
Fixed broadband subscribers (% of total Internet subscribers)	3.5	58.5
International Internet bandwidth (bits per second per person)	830	32,560
Affordability		
Price basket for residential fixed line (\$ a month)	18.4	28.8
Price basket for mobile service (\$ a month)	..	21.8
Price basket for Internet service (\$ a month)	..	20.7
Price of call to United States (\$ for 3 minutes)	0.82	0.75
Trade		
ICT goods exports (% of total goods exports)	12.1	9.4
ICT goods imports (% of total goods imports)	13.5	10.9
ICT service exports (% of total service exports)	6.2	8.2
Applications		
ICT expenditure (% of GDP)	..	5.9
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61
Secure Internet servers (per million people)	38.3	320.2

High income

	2000	2007
Economic and social context		
Population (millions)	1,006	1,056
Urban population (% of total)	76	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,978	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	2.4
Adult literacy rate (% ages 15 and older)	99	99
Gross primary, secondary, and tertiary enrollment (%)	90	92
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	3.1
Mobile and fixed-line subscribers per employee	374	747
Telecommunications investment (% of revenue)	25.9	14.3
Performance		
Access		
Telephone lines (per 100 people)	56.5	50.0
Mobile cellular subscriptions (per 100 people)	51.2	100.4
Internet subscribers (per 100 people)	13.4	25.8
Personal computers (per 100 people)	37.6	67.4
Households with a television (%)	96	98
Usage		
International voice traffic (minutes per person per month)	14.0	14.0
Mobile telephone usage (minutes per user per month)	206	353
Internet users (per 100 people)	31.6	65.7
Quality		
Population covered by mobile cellular network (%)	99	99
Fixed broadband subscribers (% of total Internet subscribers)	19.9	82.6
International Internet bandwidth (bits per second per person)	587	18,242
Affordability		
Price basket for residential fixed line (\$ a month)	16.0	26.1
Price basket for mobile service (\$ a month)	..	13.0
Price basket for Internet service (\$ a month)	..	22.8
Price of call to United States (\$ for 3 minutes)	1.07	0.81
Trade		
ICT goods exports (% of total goods exports)	18.5	15.2
ICT goods imports (% of total goods imports)	17.9	14.6
ICT service exports (% of total service exports)	5.3	7.0
Applications		
ICT expenditure (% of GDP)	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.60
Secure Internet servers (per million people)	115.3	662.6

Country tables

China

Unless otherwise noted, data for China do not include data for Hong Kong, China; Macao, China; or Taiwan, China.

Montenegro

Montenegro declared independence from Serbia and Montenegro on June 3, 2006. Where available, data for Montenegro are shown separately.

Serbia

Some indicators for Serbia prior to 2006 include data for Montenegro. Moreover, data for most indicators from 1999 onward for Serbia exclude data for Kosovo, which in 1999 became a territory under international administration pursuant to UN Security Council Resolution 1244 (1999).

Afghanistan

South Asia

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1,296
Urban population (% of total)	21	24	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	10.7	5.6
Adult literacy rate (% ages 15 and older)	28	..	64
Gross primary, secondary, and tertiary enrollment (%)	12	43	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>P</i>	
Mobile telephone service	..	<i>P</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	5.1	3.3
Mobile and fixed-line subscribers per employee	..	861	301
Telecommunications investment (% of revenue)	..	37.8	..
Performance			
Access			
Telephone lines (per 100 people)	4.0
Mobile cellular subscriptions (per 100 people)	21.5
Internet subscribers (per 100 people)	0.8
Personal computers (per 100 people)	1.5
Households with a television (%)	..	62	16
Usage			
International voice traffic (minutes per person per month)
Mobile telephone usage (minutes per user per month)
Internet users (per 100 people)	5.2
Quality			
Population covered by mobile cellular network (%)	..	72	54
Fixed broadband subscribers (% of total Internet subscribers)	..	0.8	3.4
International Internet bandwidth (bits per second per person)	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	17.8	5.7
Price basket for mobile service (\$ a month)	..	5.6	11.2
Price basket for Internet service (\$ a month)	..	24.0	29.2
Price of call to United States (\$ for 3 minutes)	..	0.39	2.00
Trade			
ICT goods exports (% of total goods exports)	1.4
ICT goods imports (% of total goods imports)	6.7
ICT service exports (% of total service exports)
Applications			
ICT expenditure (% of GDP)
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	0.5

Albania

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	3,435
Urban population (% of total)	42	46	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,170	3,300	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.2	5.3	8.0
Adult literacy rate (% ages 15 and older)	99	99	83
Gross primary, secondary, and tertiary enrollment (%)	68	69	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	6.0	3.1
Mobile and fixed-line subscribers per employee	40	710	624
Telecommunications investment (% of revenue)	28.4	10.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.0	8.9	15.3
Mobile cellular subscriptions (per 100 people)	1.0	72.3	38.9
Internet subscribers (per 100 people)	0.2	0.6	6.0
Personal computers (per 100 people)	0.8	3.8	4.6
Households with a television (%)	90	90	79
Usage			
International voice traffic (minutes per person per month)	6.0	10.4	..
Mobile telephone usage (minutes per user per month)	..	59	322
Internet users (per 100 people)	0.1	14.9	12.4
Quality			
Population covered by mobile cellular network (%)	84	97	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	4	216	199
Affordability			
Price basket for residential fixed line (\$ a month)	3.0	5.5	7.2
Price basket for mobile service (\$ a month)	..	20.9	9.8
Price basket for Internet service (\$ a month)	..	16.3	16.7
Price of call to United States (\$ for 3 minutes)	4.59	1.34	2.08
Trade			
ICT goods exports (% of total goods exports)	0.7	1.0	20.6
ICT goods imports (% of total goods imports)	4.3	3.5	20.2
ICT service exports (% of total service exports)	4.8	3.6	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.39	0.33
Secure Internet servers (per million people)	0.3	4.7	1.8

Algeria

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	31	34	3,435
Urban population (% of total)	60	65	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,610	3,620	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	4.5	8.0
Adult literacy rate (% ages 15 and older)	70	75	83
Gross primary, secondary, and tertiary enrollment (%)	68	74	68
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	2.7	3.1
Mobile and fixed-line subscribers per employee	103	285	624
Telecommunications investment (% of revenue)	23.9	23.7	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.8	9.1	15.3
Mobile cellular subscriptions (per 100 people)	0.3	81.4	38.9
Internet subscribers (per 100 people)	0.2	0.6	6.0
Personal computers (per 100 people)	0.7	1.1	4.6
Households with a television (%)	79	91	79
Usage			
International voice traffic (minutes per person per month)	2.3	1.5	..
Mobile telephone usage (minutes per user per month)	..	141	322
Internet users (per 100 people)	0.5	10.3	12.4
Quality			
Population covered by mobile cellular network (%)	40	82	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	71.1	40.4
International Internet bandwidth (bits per second per person)	0	89	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.5	28.3	7.2
Price basket for mobile service (\$ a month)	..	7.4	9.8
Price basket for Internet service (\$ a month)	..	5.7	16.7
Price of call to United States (\$ for 3 minutes)	3.67	2.08	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	20.6
ICT goods imports (% of total goods imports)	5.9	6.9	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	2.5	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.22	0.33
Secure Internet servers (per million people)	..	0.5	1.8

American Samoa

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.06	0.07	824
Urban population (% of total)	89	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.3
Adult literacy rate (% ages 15 and older)	94
Gross primary, secondary, and tertiary enrollment (%)	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3
Mobile and fixed-line subscribers per employee	82	..	566
Telecommunications investment (% of revenue)
Performance			
Access			
Telephone lines (per 100 people)	17.8	16.8	22.6
Mobile cellular subscriptions (per 100 people)	3.5	3.6	84.1
Internet subscribers (per 100 people)	9.4
Personal computers (per 100 people)	12.4
Households with a television (%)	92
Usage			
International voice traffic (minutes per person per month)
Mobile telephone usage (minutes per user per month)	137
Internet users (per 100 people)	26.6
Quality			
Population covered by mobile cellular network (%)	95
Fixed broadband subscribers (% of total Internet subscribers)	47.8
International Internet bandwidth (bits per second per person)	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	10.1	..	10.6
Price basket for mobile service (\$ a month)	10.9
Price basket for Internet service (\$ a month)	16.4
Price of call to United States (\$ for 3 minutes)	1.55
Trade			
ICT goods exports (% of total goods exports)	13.5
ICT goods imports (% of total goods imports)	16.2
ICT service exports (% of total service exports)	4.6
Applications			
ICT expenditure (% of GDP)	5.2
E-gov't Web measure index (0–1, 1=highest presence)	0.37
Secure Internet servers (per million people)	..	61.5	26.2

Andorra

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	..	0.08	1,056
Urban population (% of total)	92	89	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	65	63	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>M</i>	M	
Internet service	..	M	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	439	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	..	45.5	50.0
Mobile cellular subscriptions (per 100 people)	..	83.3	100.4
Internet subscribers (per 100 people)	..	33.1	25.8
Personal computers (per 100 people)	..	..	67.4
Households with a television (%)	98	99	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	..	71.8	65.7
Quality			
Population covered by mobile cellular network (%)	91	99	99
Fixed broadband subscribers (% of total Internet subscribers)	19.1	72.4	82.6
International Internet bandwidth (bits per second per person)	..	16,792	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	26.1
Price basket for mobile service (\$ a month)	..	15.0	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.60
Secure Internet servers (per million people)	..	632.4	662.6

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	14	17	3,435
Urban population (% of total)	49	56	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	420	2,540	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.3	12.9	8.0
Adult literacy rate (% ages 15 and older)	67	..	83
Gross primary, secondary, and tertiary enrollment (%)	26	..	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	2.0	3.1
Mobile and fixed-line subscribers per employee	43	586	624
Telecommunications investment (% of revenue)	..	25.3	25.3
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.6	15.3
Mobile cellular subscriptions (per 100 people)	0.2	29.3	38.9
Internet subscribers (per 100 people)	0.0	0.3	6.0
Personal computers (per 100 people)	0.1	0.7	4.6
Households with a television (%)	9	9	79
Usage			
International voice traffic (minutes per person per month)	0.5	..	..
Mobile telephone usage (minutes per user per month)	..	118	322
Internet users (per 100 people)	0.1	2.9	12.4
Quality			
Population covered by mobile cellular network (%)	..	40	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	0	17	199
Affordability			
Price basket for residential fixed line (\$ a month)	11.9	20.5	7.2
Price basket for mobile service (\$ a month)	..	11.6	9.8
Price basket for Internet service (\$ a month)	..	63.1	16.7
Price of call to United States (\$ for 3 minutes)	9.32	3.23	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.44	0.33
Secure Internet servers (per million people)	..	1.4	1.8

Antigua and Barbuda

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.08	0.08	1,056
Urban population (% of total)	32	31	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	8,100	11,650	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.6	5.4	2.4
Adult literacy rate (% ages 15 and older)	99	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>C</i>	C	
Internet service	<i>M</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	128	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	49.9	44.7	50.0
Mobile cellular subscriptions (per 100 people)	28.7	132.5	100.4
Internet subscribers (per 100 people)	..	13.5	25.8
Personal computers (per 100 people)	10.2	20.8	67.4
Households with a television (%)	91	98	98
Usage			
International voice traffic (minutes per person per month)	53.4	49.7	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	6.5	70.7	65.7
Quality			
Population covered by mobile cellular network (%)	85	100	99
Fixed broadband subscribers (% of total Internet subscribers)	..	59.9	82.6
International Internet bandwidth (bits per second per person)	358	16,802	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	13.5	26.1
Price basket for mobile service (\$ a month)	..	12.3	13.0
Price basket for Internet service (\$ a month)	..	22.0	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	40.6	9.7	15.2
ICT goods imports (% of total goods imports)	10.1	8.2	14.6
ICT service exports (% of total service exports)	4.4	1.8	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.60
Secure Internet servers (per million people)	242.7	654.7	662.6

Argentina

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	37	40	824
Urban population (% of total)	90	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,470	6,040	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.7	4.7	4.3
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, and tertiary enrollment (%)	92	90	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	P	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.1	3.3
Mobile and fixed-line subscribers per employee	700	1,929	566
Telecommunications investment (% of revenue)	20.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	21.4	24.0	22.6
Mobile cellular subscriptions (per 100 people)	17.6	102.3	84.1
Internet subscribers (per 100 people)	3.3	8.6	9.4
Personal computers (per 100 people)	6.9	9.0	12.4
Households with a television (%)	95	95	92
Usage			
International voice traffic (minutes per person per month)	0.2	0.3	..
Mobile telephone usage (minutes per user per month)	89	90	137
Internet users (per 100 people)	7.0	25.9	26.6
Quality			
Population covered by mobile cellular network (%)	30	94	95
Fixed broadband subscribers (% of total Internet subscribers)	5.7	76.1	47.8
International Internet bandwidth (bits per second per person)	12	2,320	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	20.0	6.8	10.6
Price basket for mobile service (\$ a month)	..	7.8	10.9
Price basket for Internet service (\$ a month)	..	13.6	16.4
Price of call to United States (\$ for 3 minutes)	2.77	..	1.55
Trade			
ICT goods exports (% of total goods exports)	0.7	0.6	13.5
ICT goods imports (% of total goods imports)	15.3	13.1	16.2
ICT service exports (% of total service exports)	6.5	7.9	4.6
Applications			
ICT expenditure (% of GDP)	..	6.0	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.56	0.37
Secure Internet servers (per million people)	6.4	18.3	26.2

Armenia

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	3,435
Urban population (% of total)	65	64	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	660	2,630	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.1	12.7	8.0
Adult literacy rate (% ages 15 and older)	99	99	83
Gross primary, secondary, and tertiary enrollment (%)	72	71	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.0	3.1
Mobile and fixed-line subscribers per employee	71	173	624
Telecommunications investment (% of revenue)	46.3	23.6	25.3
Performance			
Access			
Telephone lines (per 100 people)	17.3	19.7	15.3
Mobile cellular subscriptions (per 100 people)	0.6	62.4	38.9
Internet subscribers (per 100 people)	0.4	3.0	6.0
Personal computers (per 100 people)	0.8	9.8	4.6
Households with a television (%)	89	91	79
Usage			
International voice traffic (minutes per person per month)	3.3	10.7	..
Mobile telephone usage (minutes per user per month)	..	171	322
Internet users (per 100 people)	1.3	5.7	12.4
Quality			
Population covered by mobile cellular network (%)	38	88	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.1	40.4
International Internet bandwidth (bits per second per person)	3	22	199
Affordability			
Price basket for residential fixed line (\$ a month)	8.1	3.1	7.2
Price basket for mobile service (\$ a month)	..	8.7	9.8
Price basket for Internet service (\$ a month)	..	56.6	16.7
Price of call to United States (\$ for 3 minutes)	5.34	2.42	2.08
Trade			
ICT goods exports (% of total goods exports)	2.1	0.6	20.6
ICT goods imports (% of total goods imports)	7.0	5.8	20.2
ICT service exports (% of total service exports)	13.0	14.6	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.27	0.33
Secure Internet servers (per million people)	0.3	4.7	1.8

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	..	0.10	1,056
Urban population (% of total)	47	47	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.4	..	2.4
Adult literacy rate (% ages 15 and older)	97	98	99
Gross primary, secondary, and tertiary enrollment (%)	87	86	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	..	3.1
Mobile and fixed-line subscribers per employee	130	541	747
Telecommunications investment (% of revenue)	..	1.2	14.3
Performance			
Access			
Telephone lines (per 100 people)	..	38.3	50.0
Mobile cellular subscriptions (per 100 people)	..	144.5	100.4
Internet subscribers (per 100 people)	..	..	25.8
Personal computers (per 100 people)	..	9.9	67.4
Households with a television (%)	76	76	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	..	23.8	65.7
Quality			
Population covered by mobile cellular network (%)	..	90	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	82.6
International Internet bandwidth (bits per second per person)	..	1,795	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	16.0	26.1
Price basket for mobile service (\$ a month)	..	12.4	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	2.90	..	0.81
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	15.2
ICT goods imports (% of total goods imports)	0.0	0.0	14.6
ICT service exports (% of total service exports)	1.1	1.0	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0-1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	..	417.5	662.6

Australia

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	19	21	1,056
Urban population (% of total)	87	89	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,710	35,760	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	3.2	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	113	113	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	3.6	3.1
Mobile and fixed-line subscribers per employee	181	310	747
Telecommunications investment (% of revenue)	30.9	18.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	52.5	46.4	50.0
Mobile cellular subscriptions (per 100 people)	44.7	101.2	100.4
Internet subscribers (per 100 people)	20.5	33.8	25.8
Personal computers (per 100 people)	47.0	60.3	67.4
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	18.7	..	14.0
Mobile telephone usage (minutes per user per month)	98	73	353
Internet users (per 100 people)	46.8	68.1	65.7
Quality			
Population covered by mobile cellular network (%)	96	99	99
Fixed broadband subscribers (% of total Internet subscribers)	2.9	68.0	82.6
International Internet bandwidth (bits per second per person)	128	5,472	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	17.4	28.4	26.1
Price basket for mobile service (\$ a month)	..	24.1	13.0
Price basket for Internet service (\$ a month)	..	25.1	22.8
Price of call to United States (\$ for 3 minutes)	0.67	..	0.81
Trade			
ICT goods exports (% of total goods exports)	3.2	1.8	15.2
ICT goods imports (% of total goods imports)	16.3	12.8	14.6
ICT service exports (% of total service exports)	7.0	4.6	7.0
Applications			
ICT expenditure (% of GDP)	..	6.6	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.75	0.60
Secure Internet servers (per million people)	176.3	993.2	662.6

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	8	1,056
Urban population (% of total)	66	67	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	26,010	41,960	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.9	2.0	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	91	92	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	2.1	3.1
Mobile and fixed-line subscribers per employee	545	747	747
Telecommunications investment (% of revenue)	18.8	15.3	14.3
Performance			
Access			
Telephone lines (per 100 people)	49.9	41.0	50.0
Mobile cellular subscriptions (per 100 people)	76.4	119.2	100.4
Internet subscribers (per 100 people)	13.1	30.3	25.8
Personal computers (per 100 people)	36.2	60.7	67.4
Households with a television (%)	97	98	98
Usage			
International voice traffic (minutes per person per month)	25.2	22.1	14.0
Mobile telephone usage (minutes per user per month)	123	186	353
Internet users (per 100 people)	33.7	67.4	65.7
Quality			
Population covered by mobile cellular network (%)	98	99	99
Fixed broadband subscribers (% of total Internet subscribers)	18.1	64.3	82.6
International Internet bandwidth (bits per second per person)	1,034	20,288	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	23.3	29.0	26.1
Price basket for mobile service (\$ a month)	..	25.1	13.0
Price basket for Internet service (\$ a month)	..	27.2	22.8
Price of call to United States (\$ for 3 minutes)	1.19	0.71	0.81
Trade			
ICT goods exports (% of total goods exports)	7.9	6.3	15.2
ICT goods imports (% of total goods imports)	10.9	8.2	14.6
ICT service exports (% of total service exports)	3.4	6.3	7.0
Applications			
ICT expenditure (% of GDP)	..	5.6	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.67	0.60
Secure Internet servers (per million people)	83.2	480.6	662.6

Azerbaijan

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	9	3,435
Urban population (% of total)	51	52	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	610	2,640	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	7.3	17.6	8.0
Adult literacy rate (% ages 15 and older)	99	100	83
Gross primary, secondary, and tertiary enrollment (%)	66	67	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.6	2.6	3.1
Mobile and fixed-line subscribers per employee	123	413	624
Telecommunications investment (% of revenue)	27.9	23.6	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.0	14.6	15.3
Mobile cellular subscriptions (per 100 people)	5.2	52.8	38.9
Internet subscribers (per 100 people)	0.0	2.5	6.0
Personal computers (per 100 people)	0.7	2.4	4.6
Households with a television (%)	99	99	79
Usage			
International voice traffic (minutes per person per month)	1.0	2.7	..
Mobile telephone usage (minutes per user per month)	..	78	322
Internet users (per 100 people)	0.1	10.8	12.4
Quality			
Population covered by mobile cellular network (%)	94	99	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	2.6	40.4
International Internet bandwidth (bits per second per person)	0	701	199
Affordability			
Price basket for residential fixed line (\$ a month)	17.6	5.3	7.2
Price basket for mobile service (\$ a month)	..	15.1	9.8
Price basket for Internet service (\$ a month)	..	10.3	16.7
Price of call to United States (\$ for 3 minutes)	7.10	4.18	2.08
Trade			
ICT goods exports (% of total goods exports)	0.3	0.1	20.6
ICT goods imports (% of total goods imports)	10.6	6.1	20.2
ICT service exports (% of total service exports)	..	3.1	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.33
Secure Internet servers (per million people)	0.1	1.6	1.8

Bahamas, The

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.30	0.33	1,056
Urban population (% of total)	82	84	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	15,300	17,160	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.7	2.0	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	66	71	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	132	410	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	37.7	40.1	50.0
Mobile cellular subscriptions (per 100 people)	10.4	112.9	100.4
Internet subscribers (per 100 people)	2.8	7.6	25.8
Personal computers (per 100 people)	9.0	12.4	67.4
Households with a television (%)	84	93	98
Usage			
International voice traffic (minutes per person per month)	51.7	48.7	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	4.3	36.2	65.7
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband subscribers (% of total Internet subscribers)	34.0	51.6	82.6
International Internet bandwidth (bits per second per person)	146	2,808	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	26.1
Price basket for mobile service (\$ a month)	..	9.5	13.0
Price basket for Internet service (\$ a month)	..	25.0	22.8
Price of call to United States (\$ for 3 minutes)	2.40	..	0.81
Trade			
ICT goods exports (% of total goods exports)	0.6	0.3	15.2
ICT goods imports (% of total goods imports)	3.9	3.2	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.60
Secure Internet servers (per million people)	71.6	241.8	662.6

Bahrain

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.65	0.75	1,056
Urban population (% of total)	88	88	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,740	17,390	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.3	6.1	2.4
Adult literacy rate (% ages 15 and older)	87	89	99
Gross primary, secondary, and tertiary enrollment (%)	81	86	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.9	4.3	3.1
Mobile and fixed-line subscribers per employee	180	567	747
Telecommunications investment (% of revenue)	21.4	14.9	14.3
Performance			
Access			
Telephone lines (per 100 people)	26.3	26.3	50.0
Mobile cellular subscriptions (per 100 people)	31.6	148.2	100.4
Internet subscribers (per 100 people)	3.4	9.2	25.8
Personal computers (per 100 people)	14.6	18.3	67.4
Households with a television (%)	97	91	98
Usage			
International voice traffic (minutes per person per month)	34.0	48.9	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	6.2	33.2	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	99.1	82.6
International Internet bandwidth (bits per second per person)	293	2,544	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	7.2	5.7	26.1
Price basket for mobile service (\$ a month)	..	6.6	13.0
Price basket for Internet service (\$ a month)	..	30.0	22.8
Price of call to United States (\$ for 3 minutes)	3.39	1.74	0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	15.2
ICT goods imports (% of total goods imports)	3.6	2.3	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.52	0.60
Secure Internet servers (per million people)	16.5	78.2	662.6

Bangladesh

South Asia

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	139	159	1,296
Urban population (% of total)	24	27	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	360	470	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.2	5.7	5.6
Adult literacy rate (% ages 15 and older)	47	53	64
Gross primary, secondary, and tertiary enrollment (%)	58	56	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>..</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	1.5	3.3
Mobile and fixed-line subscribers per employee	48	..	301
Telecommunications investment (% of revenue)	25.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.7	4.0
Mobile cellular subscriptions (per 100 people)	0.2	21.7	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	2.2	1.5
Households with a television (%)	20	48	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.5	..
Mobile telephone usage (minutes per user per month)	313	249	..
Internet users (per 100 people)	0.1	0.3	5.2
Quality			
Population covered by mobile cellular network (%)	40	90	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	4	26
Affordability			
Price basket for residential fixed line (\$ a month)	10.7	4.0	5.7
Price basket for mobile service (\$ a month)	..	2.6	11.2
Price basket for Internet service (\$ a month)	..	22.1	29.2
Price of call to United States (\$ for 3 minutes)	4.14	2.02	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	3.3	4.4	6.7
ICT service exports (% of total service exports)	3.0	5.7	..
Applications			
ICT expenditure (% of GDP)	..	8.0	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35	0.11
Secure Internet servers (per million people)	0.0	0.1	0.5

Barbados

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.29	0.29	1,056
Urban population (% of total)	36	39	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	8,480	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.7	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	88	..	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	P	
Mobile telephone service	C	P	
Internet service	..	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	5.8	3.1
Mobile and fixed-line subscribers per employee	172	365	747
Telecommunications investment (% of revenue)	15.8	12.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	43.2	46.2	50.0
Mobile cellular subscriptions (per 100 people)	9.9	80.9	100.4
Internet subscribers (per 100 people)	..	..	25.8
Personal computers (per 100 people)	7.7	13.7	67.4
Households with a television (%)	74	93	98
Usage			
International voice traffic (minutes per person per month)	38.8	47.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	3.5	54.8	65.7
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband subscribers (% of total Internet subscribers)	..	..	82.6
International Internet bandwidth (bits per second per person)	..	1,766	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	16.3	17.8	26.1
Price basket for mobile service (\$ a month)	..	11.3	13.0
Price basket for Internet service (\$ a month)	..	25.6	22.8
Price of call to United States (\$ for 3 minutes)	4.05	1.95	0.81
Trade			
ICT goods exports (% of total goods exports)	9.1	5.3	15.2
ICT goods imports (% of total goods imports)	8.7	11.0	14.6
ICT service exports (% of total service exports)	4.1	3.8	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.60
Secure Internet servers (per million people)	48.7	227.2	662.6

Belarus

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	10	10	824
Urban population (% of total)	70	73	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,380	4,220	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.7	8.3	4.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, and tertiary enrollment (%)	87	89	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>C</i>	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	2.1	3.3
Mobile and fixed-line subscribers per employee	105	280	566
Telecommunications investment (% of revenue)	28.8	41.3	..
Performance			
Access			
Telephone lines (per 100 people)	27.5	37.8	22.6
Mobile cellular subscriptions (per 100 people)	0.5	71.7	84.1
Internet subscribers (per 100 people)	0.0	4.2	9.4
Personal computers (per 100 people)	..	0.8	12.4
Households with a television (%)	87	97	92
Usage			
International voice traffic (minutes per person per month)	3.3	5.3	..
Mobile telephone usage (minutes per user per month)	..	500	137
Internet users (per 100 people)	1.9	29.0	26.6
Quality			
Population covered by mobile cellular network (%)	62	93	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	2.8	47.8
International Internet bandwidth (bits per second per person)	2	264	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	1.2	1.6	10.6
Price basket for mobile service (\$ a month)	..	11.8	10.9
Price basket for Internet service (\$ a month)	..	10.5	16.4
Price of call to United States (\$ for 3 minutes)	3.28	1.90	1.55
Trade			
ICT goods exports (% of total goods exports)	1.9	0.8	13.5
ICT goods imports (% of total goods imports)	2.9	3.0	16.2
ICT service exports (% of total service exports)	5.4	6.8	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.33	0.37
Secure Internet servers (per million people)	0.4	2.1	26.2

Belgium

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	11	1,056
Urban population (% of total)	97	97	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,360	41,110	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.7	2.0	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	107	95	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	3.0	3.1
Mobile and fixed-line subscribers per employee	374	690	747
Telecommunications investment (% of revenue)	33.7	12.3	14.3
Performance			
Access			
Telephone lines (per 100 people)	49.1	43.9	50.0
Mobile cellular subscriptions (per 100 people)	54.9	101.1	100.4
Internet subscribers (per 100 people)	11.2	26.9	25.8
Personal computers (per 100 people)	22.4	41.7	67.4
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	26.4	..	14.0
Mobile telephone usage (minutes per user per month)	105	158	353
Internet users (per 100 people)	29.3	65.9	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	12.5	94.9	82.6
International Internet bandwidth (bits per second per person)	1,829	24,945	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	22.0	33.1	26.1
Price basket for mobile service (\$ a month)	..	18.2	13.0
Price basket for Internet service (\$ a month)	..	37.6	22.8
Price of call to United States (\$ for 3 minutes)	1.67	0.75	0.81
Trade			
ICT goods exports (% of total goods exports)	6.2	3.7	15.2
ICT goods imports (% of total goods imports)	7.6	4.8	14.6
ICT service exports (% of total service exports)	7.4	8.7	7.0
Applications			
ICT expenditure (% of GDP)	..	5.8	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.54	0.60
Secure Internet servers (per million people)	33.2	250.2	662.6

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.25	0.30	824
Urban population (% of total)	48	51	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,090	3,760	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.6	5.0	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	71	82	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	<i>M</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	5.2	3.3
Mobile and fixed-line subscribers per employee	132	315	566
Telecommunications investment (% of revenue)	15.1	24.4	..
Performance			
Access			
Telephone lines (per 100 people)	14.3	11.2	22.6
Mobile cellular subscriptions (per 100 people)	6.7	38.9	84.1
Internet subscribers (per 100 people)	1.7	2.6	9.4
Personal computers (per 100 people)	12.0	14.8	12.4
Households with a television (%)	35	93	92
Usage			
International voice traffic (minutes per person per month)	10.0	12.2	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	6.0	10.5	26.6
Quality			
Population covered by mobile cellular network (%)	..	..	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	82.7	47.8
International Internet bandwidth (bits per second per person)	12	592	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	9.3	17.6	10.6
Price basket for mobile service (\$ a month)	..	16.3	10.9
Price basket for Internet service (\$ a month)	..	44.4	16.4
Price of call to United States (\$ for 3 minutes)	4.45	2.59	1.55
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	13.5
ICT goods imports (% of total goods imports)	4.5	2.7	16.2
ICT service exports (% of total service exports)	4.7	3.2	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.30	0.37
Secure Internet servers (per million people)	31.1	309.2	26.2

Benin

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	7	9	1,296
Urban population (% of total)	38	41	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	340	570	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.3	3.8	5.6
Adult literacy rate (% ages 15 and older)	35	41	64
Gross primary, secondary, and tertiary enrollment (%)	40	51	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	..	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.1	3.3
Mobile and fixed-line subscribers per employee	87	1,539	301
Telecommunications investment (% of revenue)	54.2	5.2	..
Performance			
Access			
Telephone lines (per 100 people)	0.7	1.2	4.0
Mobile cellular subscriptions (per 100 people)	0.8	21.1	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	0.7	1.5
Households with a television (%)	15	13	16
Usage			
International voice traffic (minutes per person per month)	0.4	0.9	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.7	5.2
Quality			
Population covered by mobile cellular network (%)	23	80	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	24.8	3.4
International Internet bandwidth (bits per second per person)	0	17	26
Affordability			
Price basket for residential fixed line (\$ a month)	11.3	5.3	5.7
Price basket for mobile service (\$ a month)	..	10.3	11.2
Price basket for Internet service (\$ a month)	..	43.1	29.2
Price of call to United States (\$ for 3 minutes)	5.93	4.80	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	1.4
ICT goods imports (% of total goods imports)	3.3	3.3	6.7
ICT service exports (% of total service exports)	..	5.4	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.12	0.11
Secure Internet servers (per million people)	0.1	0.2	0.5

Bermuda

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.06	0.06	1,056
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.6	4.2	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	87	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	3.8	3.1
Mobile and fixed-line subscribers per employee	151	178	747
Telecommunications investment (% of revenue)	33.0	11.3	14.3
Performance			
Access			
Telephone lines (per 100 people)	90.2	90.4	50.0
Mobile cellular subscriptions (per 100 people)	20.9	94.2	100.4
Internet subscribers (per 100 people)	..	59.4	25.8
Personal computers (per 100 people)	48.3	22.5	67.4
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	43.5	75.0	65.7
Quality			
Population covered by mobile cellular network (%)	..	98	99
Fixed broadband subscribers (% of total Internet subscribers)	..	62.4	82.6
International Internet bandwidth (bits per second per person)	..	8,699	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	39.0	38.9	26.1
Price basket for mobile service (\$ a month)	..	12.2	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	496.3	2,492.2	662.6

Bhutan

	South Asia		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.56	0.66	3,435
Urban population (% of total)	25	33	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	800	1,770	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.3	8.7	8.0
Adult literacy rate (% ages 15 and older)	..	53	83
Gross primary, secondary, and tertiary enrollment (%)	..	..	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	..	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.3	3.1
Mobile and fixed-line subscribers per employee	41	141	624
Telecommunications investment (% of revenue)	26.2	81.1	25.3
Performance			
Access			
Telephone lines (per 100 people)	2.5	4.5	15.3
Mobile cellular subscriptions (per 100 people)	0.0	22.7	38.9
Internet subscribers (per 100 people)	0.1	0.9	6.0
Personal computers (per 100 people)	0.9	2.6	4.6
Households with a television (%)	2	..	79
Usage			
International voice traffic (minutes per person per month)	..	3.4	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.4	6.1	12.4
Quality			
Population covered by mobile cellular network (%)	..	21	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	2	68	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.9	4.3	7.2
Price basket for mobile service (\$ a month)	..	3.9	9.8
Price basket for Internet service (\$ a month)	..	15.1	16.7
Price of call to United States (\$ for 3 minutes)	1.19	0.66	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	12.3	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.41	0.33
Secure Internet servers (per million people)	..	..	1.8

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	10	3,435
Urban population (% of total)	62	65	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,000	1,260	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	3.6	8.0
Adult literacy rate (% ages 15 and older)	87	91	83
Gross primary, secondary, and tertiary enrollment (%)	84	86	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	6.8	3.1
Mobile and fixed-line subscribers per employee	451	376	624
Telecommunications investment (% of revenue)	43.4	3.8	25.3
Performance			
Access			
Telephone lines (per 100 people)	6.1	7.1	15.3
Mobile cellular subscriptions (per 100 people)	7.0	34.2	38.9
Internet subscribers (per 100 people)	0.5	2.1	6.0
Personal computers (per 100 people)	1.7	2.4	4.6
Households with a television (%)	46	63	79
Usage			
International voice traffic (minutes per person per month)	1.2	6.7	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.4	10.5	12.4
Quality			
Population covered by mobile cellular network (%)	43	46	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	17.1	40.4
International Internet bandwidth (bits per second per person)	2	42	199
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	8.5	7.2
Price basket for mobile service (\$ a month)	..	5.6	9.8
Price basket for Internet service (\$ a month)	..	12.1	16.7
Price of call to United States (\$ for 3 minutes)	2.43	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.7	0.1	20.6
ICT goods imports (% of total goods imports)	7.6	4.9	20.2
ICT service exports (% of total service exports)	15.9	12.5	15.6
Applications			
ICT expenditure (% of GDP)	..	5.8	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.52	0.33
Secure Internet servers (per million people)	0.6	3.8	1.8

Bosnia and Herzegovina

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	3,435
Urban population (% of total)	43	47	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,500	3,790	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	25.2	5.3	8.0
Adult literacy rate (% ages 15 and older)	97	..	83
Gross primary, secondary, and tertiary enrollment (%)	..	..	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	5.7	3.1
Mobile and fixed-line subscribers per employee	480	657	624
Telecommunications investment (% of revenue)	22.8	13.6	25.3
Performance			
Access			
Telephone lines (per 100 people)	21.1	28.2	15.3
Mobile cellular subscriptions (per 100 people)	2.5	64.9	38.9
Internet subscribers (per 100 people)	0.4	7.3	6.0
Personal computers (per 100 people)	3.9	6.4	4.6
Households with a television (%)	87	96	79
Usage			
International voice traffic (minutes per person per month)	7.7	20.1	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.1	28.0	12.4
Quality			
Population covered by mobile cellular network (%)	60	99	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	30.9	40.4
International Internet bandwidth (bits per second per person)	7	530	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.6	6.3	7.2
Price basket for mobile service (\$ a month)	..	6.6	9.8
Price basket for Internet service (\$ a month)	..	7.6	16.7
Price of call to United States (\$ for 3 minutes)	2.96	3.62	2.08
Trade			
ICT goods exports (% of total goods exports)	..	0.5	20.6
ICT goods imports (% of total goods imports)	..	3.8	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.33
Secure Internet servers (per million people)	..	7.4	1.8

Botswana

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	2	2	824
Urban population (% of total)	53	59	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,310	6,120	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	8.6	5.3	4.3
Adult literacy rate (% ages 15 and older)	..	83	94
Gross primary, secondary, and tertiary enrollment (%)	69	70	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	..	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.0	3.3
Mobile and fixed-line subscribers per employee	202	1,074	566
Telecommunications investment (% of revenue)	13.9	139.9	..
Performance			
Access			
Telephone lines (per 100 people)	7.9	7.3	22.6
Mobile cellular subscriptions (per 100 people)	12.9	61.2	84.1
Internet subscribers (per 100 people)	0.9	..	9.4
Personal computers (per 100 people)	3.5	4.8	12.4
Households with a television (%)	10	9	92
Usage			
International voice traffic (minutes per person per month)	3.5	7.8	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	2.9	5.3	26.6
Quality			
Population covered by mobile cellular network (%)	90	99	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	47.8
International Internet bandwidth (bits per second per person)	3	43	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	4.8	14.4	10.6
Price basket for mobile service (\$ a month)	..	8.3	10.9
Price basket for Internet service (\$ a month)	..	29.7	16.4
Price of call to United States (\$ for 3 minutes)	3.64	2.88	1.55
Trade			
ICT goods exports (% of total goods exports)	0.7	0.2	13.5
ICT goods imports (% of total goods imports)	6.0	5.5	16.2
ICT service exports (% of total service exports)	0.1	6.8	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22	0.37
Secure Internet servers (per million people)	..	1.6	26.2

Brazil

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	174	192	824
Urban population (% of total)	81	85	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,870	5,860	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.7	3.3	4.3
Adult literacy rate (% ages 15 and older)	86	90	94
Gross primary, secondary, and tertiary enrollment (%)	90	88	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	P	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	4.7	3.3
Mobile and fixed-line subscribers per employee	516	358	566
Telecommunications investment (% of revenue)	39.8	12.6	..
Performance			
Access			
Telephone lines (per 100 people)	17.8	20.6	22.6
Mobile cellular subscriptions (per 100 people)	13.3	63.1	84.1
Internet subscribers (per 100 people)	1.3	4.1	9.4
Personal computers (per 100 people)	4.9	16.1	12.4
Households with a television (%)	84	91	92
Usage			
International voice traffic (minutes per person per month)	0.9	..	..
Mobile telephone usage (minutes per user per month)	249	99	137
Internet users (per 100 people)	2.9	35.2	26.6
Quality			
Population covered by mobile cellular network (%)	..	91	95
Fixed broadband subscribers (% of total Internet subscribers)	4.4	86.0	47.8
International Internet bandwidth (bits per second per person)	5	1,041	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	9.4	18.3	10.6
Price basket for mobile service (\$ a month)	..	26.2	10.9
Price basket for Internet service (\$ a month)	..	29.0	16.4
Price of call to United States (\$ for 3 minutes)	1.15	0.71	1.55
Trade			
ICT goods exports (% of total goods exports)	4.6	3.2	13.5
ICT goods imports (% of total goods imports)	16.4	14.5	16.2
ICT service exports (% of total service exports)	0.7	1.8	4.6
Applications			
ICT expenditure (% of GDP)	..	5.8	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.60	0.37
Secure Internet servers (per million people)	5.8	23.7	26.2

Brunei Darussalam

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.33	0.39	1,056
Urban population (% of total)	71	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,670	26,740	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.0	2.1	2.4
Adult literacy rate (% ages 15 and older)	93	95	99
Gross primary, secondary, and tertiary enrollment (%)	74	78	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	P	P	
Mobile telephone service	M	M	
Internet service	..	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	24.1	21.0	50.0
Mobile cellular subscriptions (per 100 people)	28.5	78.9	100.4
Internet subscribers (per 100 people)	6.7	4.6	25.8
Personal computers (per 100 people)	6.9	8.8	67.4
Households with a television (%)	98	98	98
Usage			
International voice traffic (minutes per person per month)	11.9	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	9.0	41.7	65.7
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband subscribers (% of total Internet subscribers)	8.2	50.9	82.6
International Internet bandwidth (bits per second per person)	180	1,453	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.7	11.4	26.1
Price basket for mobile service (\$ a month)	..	7.0	13.0
Price basket for Internet service (\$ a month)	..	18.6	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	15.2
ICT goods imports (% of total goods imports)	6.4	6.6	14.6
ICT service exports (% of total service exports)	0.5	1.8	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26	0.60
Secure Internet servers (per million people)	8.8	30.3	662.6

Bulgaria

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	8	824
Urban population (% of total)	69	71	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,600	4,580	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.4	5.7	4.3
Adult literacy rate (% ages 15 and older)	98	98	94
Gross primary, secondary, and tertiary enrollment (%)	79	81	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	5.9	3.3
Mobile and fixed-line subscribers per employee	140	522	566
Telecommunications investment (% of revenue)	14.0	31.4	..
Performance			
Access			
Telephone lines (per 100 people)	35.8	30.0	22.6
Mobile cellular subscriptions (per 100 people)	9.2	129.2	84.1
Internet subscribers (per 100 people)	0.1	8.5	9.4
Personal computers (per 100 people)	4.5	8.9	12.4
Households with a television (%)	90	92	92
Usage			
International voice traffic (minutes per person per month)	3.3	2.6	..
Mobile telephone usage (minutes per user per month)	..	97	137
Internet users (per 100 people)	5.3	30.9	26.6
Quality			
Population covered by mobile cellular network (%)	95	100	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	97.1	47.8
International Internet bandwidth (bits per second per person)	5	4,909	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	3.8	10.7	10.6
Price basket for mobile service (\$ a month)	..	16.2	10.9
Price basket for Internet service (\$ a month)	..	7.4	16.4
Price of call to United States (\$ for 3 minutes)	2.55	0.57	1.55
Trade			
ICT goods exports (% of total goods exports)	1.0	1.8	13.5
ICT goods imports (% of total goods imports)	5.2	6.0	16.2
ICT service exports (% of total service exports)	2.3	4.4	4.6
Applications			
ICT expenditure (% of GDP)	..	7.7	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.48	0.37
Secure Internet servers (per million people)	2.3	26.2	26.2

Burkina Faso

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	12	15	1,296
Urban population (% of total)	17	19	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	240	430	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.8	5.8	5.6
Adult literacy rate (% ages 15 and older)	..	29	64
Gross primary, secondary, and tertiary enrollment (%)	22	29	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	4.0	3.3
Mobile and fixed-line subscribers per employee	62	440	301
Telecommunications investment (% of revenue)	38.0	88.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.7	4.0
Mobile cellular subscriptions (per 100 people)	0.2	10.9	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	0.6	1.5
Households with a television (%)	8	12	16
Usage			
International voice traffic (minutes per person per month)	0.3	0.9	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.6	5.2
Quality			
Population covered by mobile cellular network (%)	22	61	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	18.6	3.4
International Internet bandwidth (bits per second per person)	0	15	26
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	12.0	5.7
Price basket for mobile service (\$ a month)	..	15.5	11.2
Price basket for Internet service (\$ a month)	..	67.8	29.2
Price of call to United States (\$ for 3 minutes)	3.16	1.14	2.00
Trade			
ICT goods exports (% of total goods exports)	0.9	0.6	1.4
ICT goods imports (% of total goods imports)	4.2	3.5	6.7
ICT service exports (% of total service exports)	7.2	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.19	0.11
Secure Internet servers (per million people)	..	0.1	0.5

Burundi

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	7	8	1,296
Urban population (% of total)	8	10	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	120	110	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-0.7	2.7	5.6
Adult literacy rate (% ages 15 and older)	59	..	64
Gross primary, secondary, and tertiary enrollment (%)	30	38	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	..	3.3
Mobile and fixed-line subscribers per employee	65	234	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.4	4.0
Mobile cellular subscriptions (per 100 people)	0.2	2.9	21.5
Internet subscribers (per 100 people)	0.0	..	0.8
Personal computers (per 100 people)	0.1	0.8	1.5
Households with a television (%)	11	15	16
Usage			
International voice traffic (minutes per person per month)	0.1	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.7	5.2
Quality			
Population covered by mobile cellular network (%)	..	82	54
Fixed broadband subscribers (% of total Internet subscribers)	..	..	3.4
International Internet bandwidth (bits per second per person)	0	1	26
Affordability			
Price basket for residential fixed line (\$ a month)	1.9	2.6	5.7
Price basket for mobile service (\$ a month)	..	12.2	11.2
Price basket for Internet service (\$ a month)	..	86.0	29.2
Price of call to United States (\$ for 3 minutes)	7.35	2.45	2.00
Trade			
ICT goods exports (% of total goods exports)	..	0.5	1.4
ICT goods imports (% of total goods imports)	..	2.5	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.01	0.11
Secure Internet servers (per million people)	..	0.1	0.5

Cambodia

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	13	14	1,296
Urban population (% of total)	17	21	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	550	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	7.3	9.8	5.6
Adult literacy rate (% ages 15 and older)	67	76	64
Gross primary, secondary, and tertiary enrollment (%)	51	60	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>P</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	0.4	3.3
Mobile and fixed-line subscribers per employee	241	534	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.3	4.0
Mobile cellular subscriptions (per 100 people)	1.0	17.9	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	0.4	1.5
Households with a television (%)	33	43	16
Usage			
International voice traffic (minutes per person per month)	0.3	0.8	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.5	5.2
Quality			
Population covered by mobile cellular network (%)	80	87	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	60.4	3.4
International Internet bandwidth (bits per second per person)	0	17	26
Affordability			
Price basket for residential fixed line (\$ a month)	16.7	9.0	5.7
Price basket for mobile service (\$ a month)	..	5.1	11.2
Price basket for Internet service (\$ a month)	..	33.0	29.2
Price of call to United States (\$ for 3 minutes)	6.00	2.94	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	2.4	2.1	6.7
ICT service exports (% of total service exports)	..	3.1	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.20	0.11
Secure Internet servers (per million people)	0.2	0.8	0.5

Cameroon

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	16	19	3,435
Urban population (% of total)	50	56	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	1,050	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.8	3.5	8.0
Adult literacy rate (% ages 15 and older)	68	..	83
Gross primary, secondary, and tertiary enrollment (%)	48	62	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	3.1	3.1
Mobile and fixed-line subscribers per employee	90	1,050	624
Telecommunications investment (% of revenue)	62.8	37.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.0	15.3
Mobile cellular subscriptions (per 100 people)	0.7	24.5	38.9
Internet subscribers (per 100 people)	0.0	0.1	6.0
Personal computers (per 100 people)	0.3	1.1	4.6
Households with a television (%)	17	25	79
Usage			
International voice traffic (minutes per person per month)	0.5	0.3	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.3	2.0	12.4
Quality			
Population covered by mobile cellular network (%)	37	58	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.7	40.4
International Internet bandwidth (bits per second per person)	0	11	199
Affordability			
Price basket for residential fixed line (\$ a month)	6.5	14.3	7.2
Price basket for mobile service (\$ a month)	..	14.4	9.8
Price basket for Internet service (\$ a month)	..	48.3	16.7
Price of call to United States (\$ for 3 minutes)	3.25	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	20.6
ICT goods imports (% of total goods imports)	3.0	3.2	20.2
ICT service exports (% of total service exports)	1.4	13.0	15.6
Applications			
ICT expenditure (% of GDP)	..	5.0	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.14	0.33
Secure Internet servers (per million people)	..	0.4	1.8

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	31	33	1,056
Urban population (% of total)	80	80	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	22,130	39,650	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.3	2.7	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	95	99	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.7	3.1
Mobile and fixed-line subscribers per employee	331	424	747
Telecommunications investment (% of revenue)	24.0	21.6	14.3
Performance			
Access			
Telephone lines (per 100 people)	67.7	55.3	50.0
Mobile cellular subscriptions (per 100 people)	28.4	61.5	100.4
Internet subscribers (per 100 people)	14.1	30.8	25.8
Personal computers (per 100 people)	41.9	94.3	67.4
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	36.6	..	14.0
Mobile telephone usage (minutes per user per month)	215	351	353
Internet users (per 100 people)	42.2	72.8	65.7
Quality			
Population covered by mobile cellular network (%)	90	98	99
Fixed broadband subscribers (% of total Internet subscribers)	32.6	89.3	82.6
International Internet bandwidth (bits per second per person)	1,133	16,193	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	25.0	26.1
Price basket for mobile service (\$ a month)	..	9.5	13.0
Price basket for Internet service (\$ a month)	..	17.6	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	8.2	4.7	15.2
ICT goods imports (% of total goods imports)	15.0	10.1	14.6
ICT service exports (% of total service exports)	9.5	11.1	7.0
Applications			
ICT expenditure (% of GDP)	..	6.4	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.77	0.60
Secure Internet servers (per million people)	162.6	906.6	662.6

Cape Verde

Sub-Saharan Africa	Lower middle income		
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.45	0.53	3,435
Urban population (% of total)	53	59	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,280	2,430	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.6	5.2	8.0
Adult literacy rate (% ages 15 and older)	..	84	83
Gross primary, secondary, and tertiary enrollment (%)	71	66	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	7.0	7.0	3.1
Mobile and fixed-line subscribers per employee	154	434	624
Telecommunications investment (% of revenue)	35.3	19.1	25.3
Performance			
Access			
Telephone lines (per 100 people)	12.1	13.8	15.3
Mobile cellular subscriptions (per 100 people)	4.4	27.9	38.9
Internet subscribers (per 100 people)	0.5	1.4	6.0
Personal computers (per 100 people)	5.5	13.0	4.6
Households with a television (%)	40	61	79
Usage			
International voice traffic (minutes per person per month)	6.6	11.6	..
Mobile telephone usage (minutes per user per month)	..	82	322
Internet users (per 100 people)	1.8	7.0	12.4
Quality			
Population covered by mobile cellular network (%)	90	87	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	24.3	40.4
International Internet bandwidth (bits per second per person)	2	46	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.6	4.7	7.2
Price basket for mobile service (\$ a month)	..	18.2	9.8
Price basket for Internet service (\$ a month)	..	48.3	16.7
Price of call to United States (\$ for 3 minutes)	4.66	6.08	2.08
Trade			
ICT goods exports (% of total goods exports)	2.4	1.2	20.6
ICT goods imports (% of total goods imports)	7.1	3.7	20.2
ICT service exports (% of total service exports)	9.8	5.3	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.33
Secure Internet servers (per million people)	..	1.8	1.8

Cayman Islands

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.04	0.05	1,056
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	99	99
Gross primary, secondary, and tertiary enrollment (%)	81	76	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	170	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	87.1	..	50.0
Mobile cellular subscriptions (per 100 people)	26.6	84.0	100.4
Internet subscribers (per 100 people)	..	..	25.8
Personal computers (per 100 people)	..	..	67.4
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	140.7	134.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	..	41.1	65.7
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband subscribers (% of total Internet subscribers)	..	..	82.6
International Internet bandwidth (bits per second per person)	..	..	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	13.5	24.9	26.1
Price basket for mobile service (\$ a month)	..	..	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	266.0	1,364.1	662.6

Central African Republic

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	1,296
Urban population (% of total)	38	38	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	370	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	0.0	5.6
Adult literacy rate (% ages 15 and older)	49	..	64
Gross primary, secondary, and tertiary enrollment (%)	34	30	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.1	3.3
Mobile and fixed-line subscribers per employee	35	293	301
Telecommunications investment (% of revenue)	1.0	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.3	4.0
Mobile cellular subscriptions (per 100 people)	0.1	3.0	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.2	0.3	1.5
Households with a television (%)	3	5	16
Usage			
International voice traffic (minutes per person per month)	0.2	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.3	5.2
Quality			
Population covered by mobile cellular network (%)	18	19	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	0	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	12.9	5.7
Price basket for mobile service (\$ a month)	..	12.4	11.2
Price basket for Internet service (\$ a month)	..	130.4	29.2
Price of call to United States (\$ for 3 minutes)	13.31	1.99	2.00
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	1.4
ICT goods imports (% of total goods imports)	2.1	2.7	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.00	0.11
Secure Internet servers (per million people)	..	0.2	0.5

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	11	1,296
Urban population (% of total)	23	26	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	180	540	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.1	12.2	5.6
Adult literacy rate (% ages 15 and older)	26	32	64
Gross primary, secondary, and tertiary enrollment (%)	32	37	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>..</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	..	3.3
Mobile and fixed-line subscribers per employee	31	127	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.1	0.1	4.0
Mobile cellular subscriptions (per 100 people)	0.1	8.5	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	0.1	0.2	1.5
Households with a television (%)	2	4	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.6	5.2
Quality			
Population covered by mobile cellular network (%)	8	24	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	1	26
Affordability			
Price basket for residential fixed line (\$ a month)	16.3	8.3	5.7
Price basket for mobile service (\$ a month)	..	16.0	11.2
Price basket for Internet service (\$ a month)	..	105.0	29.2
Price of call to United States (\$ for 3 minutes)	12.50	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.01	0.11
Secure Internet servers (per million people)	..	..	0.5

Channel Islands

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.15	0.15	1,056
Urban population (% of total)	31	31	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	43,020	68,640	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	0.5	2.4
Adult literacy rate (% ages 15 and older)	99
Gross primary, secondary, and tertiary enrollment (%)	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1
Mobile and fixed-line subscribers per employee	747
Telecommunications investment (% of revenue)	14.3
Performance			
Access			
Telephone lines (per 100 people)	50.0
Mobile cellular subscriptions (per 100 people)	100.4
Internet subscribers (per 100 people)	25.8
Personal computers (per 100 people)	67.4
Households with a television (%)	98
Usage			
International voice traffic (minutes per person per month)	14.0
Mobile telephone usage (minutes per user per month)	353
Internet users (per 100 people)	65.7
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband subscribers (% of total Internet subscribers)	82.6
International Internet bandwidth (bits per second per person)	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	26.1
Price basket for mobile service (\$ a month)	13.0
Price basket for Internet service (\$ a month)	22.8
Price of call to United States (\$ for 3 minutes)	2.90	2.90	0.81
Trade			
ICT goods exports (% of total goods exports)	15.2
ICT goods imports (% of total goods imports)	14.6
ICT service exports (% of total service exports)	7.0
Applications			
ICT expenditure (% of GDP)	6.7
E-gov't Web measure index (0–1, 1=highest presence)	0.60
Secure Internet servers (per million people)	662.6

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	15	17	824
Urban population (% of total)	86	88	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,840	8,190	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.8	4.5	4.3
Adult literacy rate (% ages 15 and older)	96	97	94
Gross primary, secondary, and tertiary enrollment (%)	78	83	82
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	..	3.3
Mobile and fixed-line subscribers per employee	315	1,311	566
Telecommunications investment (% of revenue)	44.0	..	..
Performance			
Access			
Telephone lines (per 100 people)	21.4	20.8	22.6
Mobile cellular subscriptions (per 100 people)	22.1	84.1	84.1
Internet subscribers (per 100 people)	3.8	8.2	9.4
Personal computers (per 100 people)	9.2	14.1	12.4
Households with a television (%)	94	97	92
Usage			
International voice traffic (minutes per person per month)	2.7	3.4	..
Mobile telephone usage (minutes per user per month)	220	147	137
Internet users (per 100 people)	16.5	31.1	26.6
Quality			
Population covered by mobile cellular network (%)	100	100	95
Fixed broadband subscribers (% of total Internet subscribers)	1.3	96.7	47.8
International Internet bandwidth (bits per second per person)	12	4,086	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	15.7	9.7	10.6
Price basket for mobile service (\$ a month)	..	11.8	10.9
Price basket for Internet service (\$ a month)	..	26.7	16.4
Price of call to United States (\$ for 3 minutes)	2.45	..	1.55
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.5
ICT goods imports (% of total goods imports)	11.0	9.0	16.2
ICT service exports (% of total service exports)	5.9	2.7	4.6
Applications			
ICT expenditure (% of GDP)	..	4.2	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.56	0.37
Secure Internet servers (per million people)	9.0	35.1	26.2

China

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1,263	1,318	3,435
Urban population (% of total)	36	42	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	930	2,370	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	8.5	10.3	8.0
Adult literacy rate (% ages 15 and older)	91	93	83
Gross primary, secondary, and tertiary enrollment (%)	67	69	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.9	3.1
Mobile and fixed-line subscribers per employee	222	1,310	624
Telecommunications investment (% of revenue)	69.8	32.0	25.3
Performance			
Access			
Telephone lines (per 100 people)	11.5	27.7	15.3
Mobile cellular subscriptions (per 100 people)	6.8	41.5	38.9
Internet subscribers (per 100 people)	0.7	11.4	6.0
Personal computers (per 100 people)	1.6	5.7	4.6
Households with a television (%)	86	89	79
Usage			
International voice traffic (minutes per person per month)	0.3	0.8	..
Mobile telephone usage (minutes per user per month)	247	393	322
Internet users (per 100 people)	1.8	16.1	12.4
Quality			
Population covered by mobile cellular network (%)	..	97	80
Fixed broadband subscribers (% of total Internet subscribers)	0.3	44.2	40.4
International Internet bandwidth (bits per second per person)	2	280	199
Affordability			
Price basket for residential fixed line (\$ a month)	..	2.9	7.2
Price basket for mobile service (\$ a month)	..	3.3	9.8
Price basket for Internet service (\$ a month)	..	5.8	16.7
Price of call to United States (\$ for 3 minutes)	6.67	2.90	2.08
Trade			
ICT goods exports (% of total goods exports)	18.9	30.9	20.6
ICT goods imports (% of total goods imports)	22.5	28.6	20.2
ICT service exports (% of total service exports)	5.6	4.5	15.6
Applications			
ICT expenditure (% of GDP)	..	7.9	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.51	0.33
Secure Internet servers (per million people)	0.1	0.9	1.8

Colombia

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	40	44	3,435
Urban population (% of total)	72	74	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,280	4,100	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.6	4.9	8.0
Adult literacy rate (% ages 15 and older)	..	93	83
Gross primary, secondary, and tertiary enrollment (%)	71	75	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.9	3.1
Mobile and fixed-line subscribers per employee	242	..	624
Telecommunications investment (% of revenue)	54.6	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	18.1	18.0	15.3
Mobile cellular subscriptions (per 100 people)	5.7	77.2	38.9
Internet subscribers (per 100 people)	0.6	3.1	6.0
Personal computers (per 100 people)	3.8	8.0	4.6
Households with a television (%)	80	84	79
Usage			
International voice traffic (minutes per person per month)	1.9	8.9	..
Mobile telephone usage (minutes per user per month)	115	131	322
Internet users (per 100 people)	2.2	27.5	12.4
Quality			
Population covered by mobile cellular network (%)	..	83	80
Fixed broadband subscribers (% of total Internet subscribers)	3.7	87.4	40.4
International Internet bandwidth (bits per second per person)	16	971	199
Affordability			
Price basket for residential fixed line (\$ a month)	6.6	5.8	7.2
Price basket for mobile service (\$ a month)	..	10.4	9.8
Price basket for Internet service (\$ a month)	..	7.5	16.7
Price of call to United States (\$ for 3 minutes)	2.00	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	20.6
ICT goods imports (% of total goods imports)	10.3	13.3	20.2
ICT service exports (% of total service exports)	9.1	7.9	15.6
Applications			
ICT expenditure (% of GDP)	..	4.4	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.56	0.33
Secure Internet servers (per million people)	1.8	10.6	1.8

Comoros

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.54	0.63	1,296
Urban population (% of total)	28	28	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	680	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.7	2.1	5.6
Adult literacy rate (% ages 15 and older)	..	75	64
Gross primary, secondary, and tertiary enrollment (%)	41	46	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	<i>M</i>	
Internet service	<i>M</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	7.4	3.3
Mobile and fixed-line subscribers per employee	55	109	301
Telecommunications investment (% of revenue)	69.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.3	3.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	6.4	21.5
Internet subscribers (per 100 people)	0.1	0.3	0.8
Personal computers (per 100 people)	0.6	0.9	1.5
Households with a television (%)	10	13	16
Usage			
International voice traffic (minutes per person per month)	2.0	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.3	3.4	5.2
Quality			
Population covered by mobile cellular network (%)	..	40	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.3	3.4
International Internet bandwidth (bits per second per person)	0	11	26
Affordability			
Price basket for residential fixed line (\$ a month)	14.0	18.8	5.7
Price basket for mobile service (\$ a month)	..	12.3	11.2
Price basket for Internet service (\$ a month)	..	20.8	29.2
Price of call to United States (\$ for 3 minutes)	..	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.03	0.11
Secure Internet servers (per million people)	..	1.6	0.5

Congo, Dem. Rep.

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	51	62	1,296
Urban population (% of total)	30	33	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	80	140	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-3.8	5.0	5.6
Adult literacy rate (% ages 15 and older)	67	..	64
Gross primary, secondary, and tertiary enrollment (%)	27	34	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	7.6	3.3
Mobile and fixed-line subscribers per employee	..	3,628	301
Telecommunications investment (% of revenue)	..	82.5	..
Performance			
Access			
Telephone lines (per 100 people)	0.0	0.0	4.0
Mobile cellular subscriptions (per 100 people)	0.0	10.6	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.0	0.0	1.5
Households with a television (%)	1	4	16
Usage			
International voice traffic (minutes per person per month)	..	0.3	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.4	5.2
Quality			
Population covered by mobile cellular network (%)	..	50	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	3.2	3.4
International Internet bandwidth (bits per second per person)	0	0	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	5.7
Price basket for mobile service (\$ a month)	..	11.2	11.2
Price basket for Internet service (\$ a month)	..	109.5	29.2
Price of call to United States (\$ for 3 minutes)	..	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.09	0.11
Secure Internet servers (per million people)	..	0.1	0.5

Congo, Rep.

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	4	3,435
Urban population (% of total)	58	61	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	550	1,540	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.9	4.1	8.0
Adult literacy rate (% ages 15 and older)	..	..	83
Gross primary, secondary, and tertiary enrollment (%)	43	51	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	2.9	3.1
Mobile and fixed-line subscribers per employee	..	..	624
Telecommunications investment (% of revenue)	..	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	0.7	0.4	15.3
Mobile cellular subscriptions (per 100 people)	2.2	34.2	38.9
Internet subscribers (per 100 people)	0.0	0.0	6.0
Personal computers (per 100 people)	0.3	0.5	4.6
Households with a television (%)	6	27	79
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.0	1.9	12.4
Quality			
Population covered by mobile cellular network (%)	17	53	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	0	0	199
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	7.2
Price basket for mobile service (\$ a month)	..	18.8	9.8
Price basket for Internet service (\$ a month)	..	82.7	16.7
Price of call to United States (\$ for 3 minutes)	..	5.39	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.07	0.33
Secure Internet servers (per million people)	..	0.3	1.8

Costa Rica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	824
Urban population (% of total)	59	63	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,710	5,520	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.7	5.4	4.3
Adult literacy rate (% ages 15 and older)	95	96	94
Gross primary, secondary, and tertiary enrollment (%)	66	73	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>M</i>	M	
Internet service	<i>M</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	2.2	3.3
Mobile and fixed-line subscribers per employee	231	470	566
Telecommunications investment (% of revenue)	44.4	53.6	..
Performance			
Access			
Telephone lines (per 100 people)	22.9	32.2	22.6
Mobile cellular subscriptions (per 100 people)	5.4	33.8	84.1
Internet subscribers (per 100 people)	0.9	3.8	9.4
Personal computers (per 100 people)	15.3	23.1	12.4
Households with a television (%)	84	94	92
Usage			
International voice traffic (minutes per person per month)	5.2	10.0	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	5.8	33.6	26.6
Quality			
Population covered by mobile cellular network (%)	..	87	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	74.5	47.8
International Internet bandwidth (bits per second per person)	91	820	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	7.1	5.1	10.6
Price basket for mobile service (\$ a month)	..	1.9	10.9
Price basket for Internet service (\$ a month)	..	25.7	16.4
Price of call to United States (\$ for 3 minutes)	1.93	..	1.55
Trade			
ICT goods exports (% of total goods exports)	31.7	29.4	13.5
ICT goods imports (% of total goods imports)	18.4	25.3	16.2
ICT service exports (% of total service exports)	7.9	16.4	4.6
Applications			
ICT expenditure (% of GDP)	..	3.9	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.44	0.37
Secure Internet servers (per million people)	13.9	98.8	26.2

Côte d'Ivoire

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	17	19	1,296
Urban population (% of total)	44	48	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	920	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.4	0.3	5.6
Adult literacy rate (% ages 15 and older)	49	..	64
Gross primary, secondary, and tertiary enrollment (%)	37	..	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	5.5	3.3
Mobile and fixed-line subscribers per employee	189	1,442	301
Telecommunications investment (% of revenue)	23.7	40.0	..
Performance			
Access			
Telephone lines (per 100 people)	1.5	1.4	4.0
Mobile cellular subscriptions (per 100 people)	2.8	36.6	21.5
Internet subscribers (per 100 people)	0.1	0.1	0.8
Personal computers (per 100 people)	0.5	1.7	1.5
Households with a television (%)	32	35	16
Usage			
International voice traffic (minutes per person per month)	0.7	1.4	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.6	5.2
Quality			
Population covered by mobile cellular network (%)	23	59	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	6.9	3.4
International Internet bandwidth (bits per second per person)	0	16	26
Affordability			
Price basket for residential fixed line (\$ a month)	8.5	25.0	5.7
Price basket for mobile service (\$ a month)	..	12.9	11.2
Price basket for Internet service (\$ a month)	..	20.3	29.2
Price of call to United States (\$ for 3 minutes)	6.07	2.25	2.00
Trade			
ICT goods exports (% of total goods exports)	0.1	0.4	1.4
ICT goods imports (% of total goods imports)	3.3	4.2	6.7
ICT service exports (% of total service exports)	8.2	11.0	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	..	0.5	0.5

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	824
Urban population (% of total)	56	57	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,430	10,460	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	4.8	4.3
Adult literacy rate (% ages 15 and older)	98	99	94
Gross primary, secondary, and tertiary enrollment (%)	70	73	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	5.3	3.3
Mobile and fixed-line subscribers per employee	178	778	566
Telecommunications investment (% of revenue)	14.7	12.3	..
Performance			
Access			
Telephone lines (per 100 people)	38.9	41.6	22.6
Mobile cellular subscriptions (per 100 people)	23.3	113.5	84.1
Internet subscribers (per 100 people)	4.2	29.9	9.4
Personal computers (per 100 people)	11.3	18.0	12.4
Households with a television (%)	85	94	92
Usage			
International voice traffic (minutes per person per month)	13.8	17.4	..
Mobile telephone usage (minutes per user per month)	..	90	137
Internet users (per 100 people)	6.8	44.7	26.6
Quality			
Population covered by mobile cellular network (%)	98	100	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	29.2	47.8
International Internet bandwidth (bits per second per person)	41	3,380	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	11.9	13.1	10.6
Price basket for mobile service (\$ a month)	..	14.5	10.9
Price basket for Internet service (\$ a month)	..	16.5	16.4
Price of call to United States (\$ for 3 minutes)	..	..	1.55
Trade			
ICT goods exports (% of total goods exports)	3.6	5.3	13.5
ICT goods imports (% of total goods imports)	6.1	7.5	16.2
ICT service exports (% of total service exports)	3.3	4.2	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.43	0.37
Secure Internet servers (per million people)	13.7	92.0	26.2

Cuba

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	11	11	824
Urban population (% of total)	76	76	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.2	3.4	4.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, and tertiary enrollment (%)	75	88	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>M</i>	
Internet service	<i>C</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.6	3.3
Mobile and fixed-line subscribers per employee	30	58	566
Telecommunications investment (% of revenue)	16.0	7.5	..
Performance			
Access			
Telephone lines (per 100 people)	4.4	9.3	22.6
Mobile cellular subscriptions (per 100 people)	0.1	1.8	84.1
Internet subscribers (per 100 people)	..	0.3	9.4
Personal computers (per 100 people)	1.2	3.6	12.4
Households with a television (%)	70	70	92
Usage			
International voice traffic (minutes per person per month)	2.4	2.5	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	0.5	11.6	26.6
Quality			
Population covered by mobile cellular network (%)	41	77	95
Fixed broadband subscribers (% of total Internet subscribers)	..	5.8	47.8
International Internet bandwidth (bits per second per person)	2	19	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	12.4	13.1	10.6
Price basket for mobile service (\$ a month)	..	22.6	10.9
Price basket for Internet service (\$ a month)	..	32.4	16.4
Price of call to United States (\$ for 3 minutes)	7.35	7.49	1.55
Trade			
ICT goods exports (% of total goods exports)	0.2	1.9	13.5
ICT goods imports (% of total goods imports)	5.3	2.9	16.2
ICT service exports (% of total service exports)	..	..	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.21	0.37
Secure Internet servers (per million people)	0.2	0.1	26.2

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.79	0.85	1,056
Urban population (% of total)	69	70	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	13,440	24,940	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.9	3.4	2.4
Adult literacy rate (% ages 15 and older)	99	98	99
Gross primary, secondary, and tertiary enrollment (%)	73	78	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	3.4	3.1
Mobile and fixed-line subscribers per employee	274	437	747
Telecommunications investment (% of revenue)	36.6	20.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	56.0	44.9	50.0
Mobile cellular subscriptions (per 100 people)	27.8	115.6	100.4
Internet subscribers (per 100 people)	6.6	15.2	25.8
Personal computers (per 100 people)	19.1	38.3	67.4
Households with a television (%)	97	100	98
Usage			
International voice traffic (minutes per person per month)	37.3	47.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	15.3	38.0	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	3.8	76.9	82.6
International Internet bandwidth (bits per second per person)	51	1,603	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	7.8	18.3	26.1
Price basket for mobile service (\$ a month)	..	3.8	13.0
Price basket for Internet service (\$ a month)	..	21.0	22.8
Price of call to United States (\$ for 3 minutes)	1.02	0.33	0.81
Trade			
ICT goods exports (% of total goods exports)	1.7	14.5	15.2
ICT goods imports (% of total goods imports)	7.2	7.8	14.6
ICT service exports (% of total service exports)	2.1	4.5	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.60
Secure Internet servers (per million people)	37.6	428.4	662.6

Czech Republic

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	10	1,056
Urban population (% of total)	74	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,800	14,580	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.0	4.6	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	74	83	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	3.7	3.1
Mobile and fixed-line subscribers per employee	349	796	747
Telecommunications investment (% of revenue)	47.1	12.3	14.3
Performance			
Access			
Telephone lines (per 100 people)	37.7	23.3	50.0
Mobile cellular subscriptions (per 100 people)	42.3	123.1	100.4
Internet subscribers (per 100 people)	4.1	13.6	25.8
Personal computers (per 100 people)	12.2	27.4	67.4
Households with a television (%)	100	83	98
Usage			
International voice traffic (minutes per person per month)	6.4	6.2	14.0
Mobile telephone usage (minutes per user per month)	145	122	353
Internet users (per 100 people)	9.7	48.3	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.6	93.3	82.6
International Internet bandwidth (bits per second per person)	602	7,075	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	12.1	25.5	26.1
Price basket for mobile service (\$ a month)	..	12.8	13.0
Price basket for Internet service (\$ a month)	..	19.9	22.8
Price of call to United States (\$ for 3 minutes)	0.97	1.06	0.81
Trade			
ICT goods exports (% of total goods exports)	7.3	14.2	15.2
ICT goods imports (% of total goods imports)	12.1	15.0	14.6
ICT service exports (% of total service exports)	3.2	8.0	7.0
Applications			
ICT expenditure (% of GDP)	..	7.1	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.65	0.60
Secure Internet servers (per million people)	26.7	150.5	662.6

Denmark

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	5	1,056
Urban population (% of total)	85	86	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	31,850	55,440	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.8	1.8	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	96	103	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.6	3.1
Mobile and fixed-line subscribers per employee	337	512	747
Telecommunications investment (% of revenue)	27.0	15.0	14.3
Performance			
Access			
Telephone lines (per 100 people)	71.9	51.7	50.0
Mobile cellular subscriptions (per 100 people)	63.0	114.1	100.4
Internet subscribers (per 100 people)	31.6	38.5	25.8
Personal computers (per 100 people)	50.6	54.9	67.4
Households with a television (%)	96	96	98
Usage			
International voice traffic (minutes per person per month)	21.2	25.6	14.0
Mobile telephone usage (minutes per user per month)	122	202	353
Internet users (per 100 people)	39.2	80.7	65.7
Quality			
Population covered by mobile cellular network (%)	..	114	99
Fixed broadband subscribers (% of total Internet subscribers)	4.0	93.2	82.6
International Internet bandwidth (bits per second per person)	1,409	34,506	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	22.5	21.6	26.1
Price basket for mobile service (\$ a month)	..	10.9	13.0
Price basket for Internet service (\$ a month)	..	9.3	22.8
Price of call to United States (\$ for 3 minutes)	1.30	0.89	0.81
Trade			
ICT goods exports (% of total goods exports)	8.5	7.1	15.2
ICT goods imports (% of total goods imports)	13.3	11.9	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	5.8	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	1.00	0.60
Secure Internet servers (per million people)	73.9	1,036.5	662.6

Djibouti

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.73	0.83	3,435
Urban population (% of total)	83	87	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	760	1,090	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.2	3.4	8.0
Adult literacy rate (% ages 15 and older)	..	..	83
Gross primary, secondary, and tertiary enrollment (%)	19	25	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	<i>M</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	4.8	3.1
Mobile and fixed-line subscribers per employee	19	56	624
Telecommunications investment (% of revenue)	10.5	37.6	25.3
Performance			
Access			
Telephone lines (per 100 people)	1.3	1.3	15.3
Mobile cellular subscriptions (per 100 people)	0.0	5.5	38.9
Internet subscribers (per 100 people)	0.1	0.4	6.0
Personal computers (per 100 people)	0.9	2.4	4.6
Households with a television (%)	39	39	79
Usage			
International voice traffic (minutes per person per month)	1.9	2.2	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.2	1.3	12.4
Quality			
Population covered by mobile cellular network (%)	30	75	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.2	40.4
International Internet bandwidth (bits per second per person)	0	56	199
Affordability			
Price basket for residential fixed line (\$ a month)	33.4	16.8	7.2
Price basket for mobile service (\$ a month)	..	7.3	9.8
Price basket for Internet service (\$ a month)	..	41.5	16.7
Price of call to United States (\$ for 3 minutes)	4.73	4.73	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	2.1	2.6	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.11	0.33
Secure Internet servers (per million people)	..	1.2	1.8

Dominica

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.07	0.07	824
Urban population (% of total)	71	74	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,200	4,030	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	1.6	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	75	81	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	10.5	3.3
Mobile and fixed-line subscribers per employee	132	..	566
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.8	29.3	22.6
Mobile cellular subscriptions (per 100 people)	1.7	58.5	84.1
Internet subscribers (per 100 people)	3.9	8.4	9.4
Personal computers (per 100 people)	7.7	18.2	12.4
Households with a television (%)	76	..	92
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	8.4	36.6	26.6
Quality			
Population covered by mobile cellular network (%)	..	..	95
Fixed broadband subscribers (% of total Internet subscribers)	2.9	54.0	47.8
International Internet bandwidth (bits per second per person)	70	420	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	14.6	13.8	10.6
Price basket for mobile service (\$ a month)	..	12.4	10.9
Price basket for Internet service (\$ a month)	..	20.6	16.4
Price of call to United States (\$ for 3 minutes)	..	..	1.55
Trade			
ICT goods exports (% of total goods exports)	0.6	0.3	13.5
ICT goods imports (% of total goods imports)	7.4	6.8	16.2
ICT service exports (% of total service exports)	21.0	9.4	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.01	0.37
Secure Internet servers (per million people)	84.4	273.2	26.2

Dominican Republic

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	9	10	3,435
Urban population (% of total)	62	68	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,050	3,560	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	7.8	4.8	8.0
Adult literacy rate (% ages 15 and older)	87	89	83
Gross primary, secondary, and tertiary enrollment (%)	71	74	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	0.5	3.1
Mobile and fixed-line subscribers per employee	99	..	624
Telecommunications investment (% of revenue)	..	192.0	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.2	9.3	15.3
Mobile cellular subscriptions (per 100 people)	8.1	56.7	38.9
Internet subscribers (per 100 people)	0.6	2.7	6.0
Personal computers (per 100 people)	1.9	3.5	4.6
Households with a television (%)	74	78	79
Usage			
International voice traffic (minutes per person per month)	14.6	..	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	3.7	17.2	12.4
Quality			
Population covered by mobile cellular network (%)	..	90	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	58.2	40.4
International Internet bandwidth (bits per second per person)	6	154	199
Affordability			
Price basket for residential fixed line (\$ a month)	18.1	18.2	7.2
Price basket for mobile service (\$ a month)	..	8.6	9.8
Price basket for Internet service (\$ a month)	..	16.7	16.7
Price of call to United States (\$ for 3 minutes)	..	0.22	2.08
Trade			
ICT goods exports (% of total goods exports)	0.4	..	20.6
ICT goods imports (% of total goods imports)	6.6	..	20.2
ICT service exports (% of total service exports)	3.9	3.7	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.51	0.33
Secure Internet servers (per million people)	0.9	13.2	1.8

Ecuador

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	12	13	3,435
Urban population (% of total)	60	65	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,340	3,110	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.7	5.0	8.0
Adult literacy rate (% ages 15 and older)	91	84	83
Gross primary, secondary, and tertiary enrollment (%)	..	..	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	4.1	3.1
Mobile and fixed-line subscribers per employee	244	512	624
Telecommunications investment (% of revenue)	9.8	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.0	13.5	15.3
Mobile cellular subscriptions (per 100 people)	3.9	75.6	38.9
Internet subscribers (per 100 people)	0.5	1.6	6.0
Personal computers (per 100 people)	2.2	13.0	4.6
Households with a television (%)	76	87	79
Usage			
International voice traffic (minutes per person per month)	3.6	7.5	..
Mobile telephone usage (minutes per user per month)	65	69	322
Internet users (per 100 people)	1.5	13.2	12.4
Quality			
Population covered by mobile cellular network (%)	80	84	80
Fixed broadband subscribers (% of total Internet subscribers)	3.1	68.4	40.4
International Internet bandwidth (bits per second per person)	2	324	199
Affordability			
Price basket for residential fixed line (\$ a month)	9.8	7.9	7.2
Price basket for mobile service (\$ a month)	..	18.9	9.8
Price basket for Internet service (\$ a month)	..	37.0	16.7
Price of call to United States (\$ for 3 minutes)	2.48	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.3	20.6
ICT goods imports (% of total goods imports)	6.4	7.7	20.2
ICT service exports (% of total service exports)	7.2	6.2	15.6
Applications			
ICT expenditure (% of GDP)	..	6.1	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.33
Secure Internet servers (per million people)	0.9	10.1	1.8

Egypt, Arab Rep.

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	67	75	3,435
Urban population (% of total)	43	43	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,460	1,580	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.2	4.3	8.0
Adult literacy rate (% ages 15 and older)	..	66	83
Gross primary, secondary, and tertiary enrollment (%)	80	77	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.8	3.1
Mobile and fixed-line subscribers per employee	125	538	624
Telecommunications investment (% of revenue)	18.8	24.8	25.3
Performance			
Access			
Telephone lines (per 100 people)	8.2	14.9	15.3
Mobile cellular subscriptions (per 100 people)	2.0	39.8	38.9
Internet subscribers (per 100 people)	0.1	3.5	6.0
Personal computers (per 100 people)	1.2	4.9	4.6
Households with a television (%)	86	96	79
Usage			
International voice traffic (minutes per person per month)	1.0	3.5	..
Mobile telephone usage (minutes per user per month)	..	132	322
Internet users (per 100 people)	0.7	14.0	12.4
Quality			
Population covered by mobile cellular network (%)	..	94	80
Fixed broadband subscribers (% of total Internet subscribers)	..	18.0	40.4
International Internet bandwidth (bits per second per person)	0	189	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.3	3.7	7.2
Price basket for mobile service (\$ a month)	..	4.2	9.8
Price basket for Internet service (\$ a month)	..	4.3	16.7
Price of call to United States (\$ for 3 minutes)	3.33	1.45	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	3.4	4.2	15.6
Applications			
ICT expenditure (% of GDP)	..	5.8	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.61	0.33
Secure Internet servers (per million people)	0.2	1.1	1.8

El Salvador

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	6	7	3,435
Urban population (% of total)	58	60	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,030	2,850	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.3	2.8	8.0
Adult literacy rate (% ages 15 and older)	..	82	83
Gross primary, secondary, and tertiary enrollment (%)	64	70	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	5.7	3.1
Mobile and fixed-line subscribers per employee	323	1,657	624
Telecommunications investment (% of revenue)	155.8	29.3	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.1	15.8	15.3
Mobile cellular subscriptions (per 100 people)	12.0	89.6	38.9
Internet subscribers (per 100 people)	0.9	1.4	6.0
Personal computers (per 100 people)	1.9	5.2	4.6
Households with a television (%)	82	83	79
Usage			
International voice traffic (minutes per person per month)	11.4	42.9	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.1	11.1	12.4
Quality			
Population covered by mobile cellular network (%)	85	95	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	94.3	40.4
International Internet bandwidth (bits per second per person)	7	18	199
Affordability			
Price basket for residential fixed line (\$ a month)	16.3	2.0	7.2
Price basket for mobile service (\$ a month)	..	8.5	9.8
Price basket for Internet service (\$ a month)	..	22.6	16.7
Price of call to United States (\$ for 3 minutes)	2.40	2.40	2.08
Trade			
ICT goods exports (% of total goods exports)	0.6	0.6	20.6
ICT goods imports (% of total goods imports)	9.3	8.4	20.2
ICT service exports (% of total service exports)	12.9	9.6	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.58	0.33
Secure Internet servers (per million people)	1.1	9.9	1.8

Equatorial Guinea

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.43	0.51	1,056
Urban population (% of total)	39	39	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,540	12,860	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	36.0	16.8	2.4
Adult literacy rate (% ages 15 and older)	87	..	99
Gross primary, secondary, and tertiary enrollment (%)	58	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	..	<i>C</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	..	3.1
Mobile and fixed-line subscribers per employee	65	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	1.4	2.1	50.0
Mobile cellular subscriptions (per 100 people)	1.2	43.3	100.4
Internet subscribers (per 100 people)	0.1	0.2	25.8
Personal computers (per 100 people)	0.5	1.9	67.4
Households with a television (%)	23	26	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	0.2	1.6	65.7
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	15.0	82.6
International Internet bandwidth (bits per second per person)	0	35	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	26.1
Price basket for mobile service (\$ a month)	..	..	13.0
Price basket for Internet service (\$ a month)	..	32.2	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.60
Secure Internet servers (per million people)	..	1.9	662.6

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	5	1,296
Urban population (% of total)	18	20	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	270	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.5	1.4	5.6
Adult literacy rate (% ages 15 and older)	53	..	64
Gross primary, secondary, and tertiary enrollment (%)	33	35	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.0	3.3
Mobile and fixed-line subscribers per employee	67	105	301
Telecommunications investment (% of revenue)	127.5	47.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	0.8	4.0
Mobile cellular subscriptions (per 100 people)	0.0	1.7	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.2	0.8	1.5
Households with a television (%)	11	18	16
Usage			
International voice traffic (minutes per person per month)	0.5	0.5	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	2.5	5.2
Quality			
Population covered by mobile cellular network (%)	0	2	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	2	26
Affordability			
Price basket for residential fixed line (\$ a month)	5.3	6.2	5.7
Price basket for mobile service (\$ a month)	..	16.8	11.2
Price basket for Internet service (\$ a month)	..	28.6	29.2
Price of call to United States (\$ for 3 minutes)	5.83	3.59	2.00
Trade			
ICT goods exports (% of total goods exports)	..	0.2	1.4
ICT goods imports (% of total goods imports)	..	5.2	6.7
ICT service exports (% of total service exports)	13.5	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	..	..	0.5

Estonia

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	1	1,056
Urban population (% of total)	69	69	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,190	12,830	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.8	8.1	2.4
Adult literacy rate (% ages 15 and older)	100	100	99
Gross primary, secondary, and tertiary enrollment (%)	88	92	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	4.8	3.1
Mobile and fixed-line subscribers per employee	354	707	747
Telecommunications investment (% of revenue)	17.6	12.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	38.2	36.9	50.0
Mobile cellular subscriptions (per 100 people)	40.7	147.7	100.4
Internet subscribers (per 100 people)	6.0	21.2	25.8
Personal computers (per 100 people)	16.1	52.2	67.4
Households with a television (%)	85	86	98
Usage			
International voice traffic (minutes per person per month)	10.7	9.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	28.6	63.7	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	18.0	97.7	82.6
International Internet bandwidth (bits per second per person)	137	11,925	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	9.4	15.6	26.1
Price basket for mobile service (\$ a month)	..	8.6	13.0
Price basket for Internet service (\$ a month)	..	10.9	22.8
Price of call to United States (\$ for 3 minutes)	1.62	0.90	0.81
Trade			
ICT goods exports (% of total goods exports)	26.0	14.2	15.2
ICT goods imports (% of total goods imports)	20.3	11.1	14.6
ICT service exports (% of total service exports)	2.8	6.1	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.71	0.60
Secure Internet servers (per million people)	58.6	279.7	662.6

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	66	79	1,296
Urban population (% of total)	15	17	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	130	220	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	7.5	5.6
Adult literacy rate (% ages 15 and older)	..	36	64
Gross primary, secondary, and tertiary enrollment (%)	27	42	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>M</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	2.2	3.3
Mobile and fixed-line subscribers per employee	35	142	301
Telecommunications investment (% of revenue)	42.6	17.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	1.5	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	0.1	0.7	1.5
Households with a television (%)	2	5	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.3	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.4	5.2
Quality			
Population covered by mobile cellular network (%)	..	10	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.0	3.4
International Internet bandwidth (bits per second per person)	0	3	26
Affordability			
Price basket for residential fixed line (\$ a month)	3.1	2.2	5.7
Price basket for mobile service (\$ a month)	..	3.6	11.2
Price basket for Internet service (\$ a month)	..	14.6	29.2
Price of call to United States (\$ for 3 minutes)	7.35	4.01	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.3	1.4
ICT goods imports (% of total goods imports)	5.0	7.1	6.7
ICT service exports (% of total service exports)	3.6	6.3	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.17	0.11
Secure Internet servers (per million people)	0.0	0.0	0.5

Faeroe Islands

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.05	0.05	1,056
Urban population (% of total)	36	41	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	178	249	747
Telecommunications investment (% of revenue)	16.9	3.7	14.3
Performance			
Access			
Telephone lines (per 100 people)	54.5	46.4	50.0
Mobile cellular subscriptions (per 100 people)	37.1	107.8	100.4
Internet subscribers (per 100 people)	14.0	29.9	25.8
Personal computers (per 100 people)	..	..	67.4
Households with a television (%)	94	98	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	32.8	77.5	65.7
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.7	91.6	82.6
International Internet bandwidth (bits per second per person)	..	3,316	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	29.4	26.1
Price basket for mobile service (\$ a month)	..	..	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	0.0	15.2
ICT goods imports (% of total goods imports)	5.2	6.5	14.6
ICT service exports (% of total service exports)	1.8	2.8	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	21.5	62.2	662.6

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.80	0.83	824
Urban population (% of total)	48	52	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,270	3,750	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.2	1.9	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	73	75	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.2	4.7	3.3
Mobile and fixed-line subscribers per employee	104	..	566
Telecommunications investment (% of revenue)	17.5	13.6	..
Performance			
Access			
Telephone lines (per 100 people)	10.8	14.6	22.6
Mobile cellular subscriptions (per 100 people)	6.9	63.5	84.1
Internet subscribers (per 100 people)	0.4	1.7	9.4
Personal computers (per 100 people)	4.5	6.1	12.4
Households with a television (%)	54	60	92
Usage			
International voice traffic (minutes per person per month)	5.8	..	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	1.5	9.6	26.6
Quality			
Population covered by mobile cellular network (%)	40	65	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	83.3	47.8
International Internet bandwidth (bits per second per person)	5	151	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	5.5	9.5	10.6
Price basket for mobile service (\$ a month)	..	11.0	10.9
Price basket for Internet service (\$ a month)	..	22.2	16.4
Price of call to United States (\$ for 3 minutes)	3.76	2.84	1.55
Trade			
ICT goods exports (% of total goods exports)	0.1	0.8	13.5
ICT goods imports (% of total goods imports)	6.2	3.5	16.2
ICT service exports (% of total service exports)	5.7	3.1	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.37
Secure Internet servers (per million people)	5.0	26.2	26.2

Finland

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	5	1,056
Urban population (% of total)	61	63	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,480	44,300	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.9	3.0	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	104	101	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	2.5	3.1
Mobile and fixed-line subscribers per employee	272	584	747
Telecommunications investment (% of revenue)	20.3	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	55.0	32.9	50.0
Mobile cellular subscriptions (per 100 people)	72.0	115.0	100.4
Internet subscribers (per 100 people)	11.9	26.8	25.8
Personal computers (per 100 people)	39.6	50.0	67.4
Households with a television (%)	92	87	98
Usage			
International voice traffic (minutes per person per month)	14.9	..	14.0
Mobile telephone usage (minutes per user per month)	127	283	353
Internet users (per 100 people)	37.2	78.8	65.7
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband subscribers (% of total Internet subscribers)	5.7	57.1	82.6
International Internet bandwidth (bits per second per person)	347	17,221	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	19.4	28.7	26.1
Price basket for mobile service (\$ a month)	..	11.5	13.0
Price basket for Internet service (\$ a month)	..	23.6	22.8
Price of call to United States (\$ for 3 minutes)	1.07	1.80	0.81
Trade			
ICT goods exports (% of total goods exports)	25.4	18.9	15.2
ICT goods imports (% of total goods imports)	18.6	14.4	14.6
ICT service exports (% of total service exports)	5.4	8.4	7.0
Applications			
ICT expenditure (% of GDP)	..	5.2	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.63	0.60
Secure Internet servers (per million people)	96.0	684.2	662.6

France

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	59	62	1,056
Urban population (% of total)	76	77	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	24,450	38,810	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.9	1.8	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	92	97	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.2	3.1
Mobile and fixed-line subscribers per employee	408	695	747
Telecommunications investment (% of revenue)	26.5	14.0	14.3
Performance			
Access			
Telephone lines (per 100 people)	57.7	56.4	50.0
Mobile cellular subscriptions (per 100 people)	49.3	89.7	100.4
Internet subscribers (per 100 people)	9.2	27.6	25.8
Personal computers (per 100 people)	30.4	65.2	67.4
Households with a television (%)	94	97	98
Usage			
International voice traffic (minutes per person per month)	14.4	20.3	14.0
Mobile telephone usage (minutes per user per month)	140	198	353
Internet users (per 100 people)	14.4	51.2	65.7
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband subscribers (% of total Internet subscribers)	3.6	91.2	82.6
International Internet bandwidth (bits per second per person)	1,148	29,466	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	18.4	29.0	26.1
Price basket for mobile service (\$ a month)	..	23.3	13.0
Price basket for Internet service (\$ a month)	..	13.7	22.8
Price of call to United States (\$ for 3 minutes)	0.82	0.84	0.81
Trade			
ICT goods exports (% of total goods exports)	12.1	8.0	15.2
ICT goods imports (% of total goods imports)	13.0	9.8	14.6
ICT service exports (% of total service exports)	2.6	4.1	7.0
Applications			
ICT expenditure (% of GDP)	..	5.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.83	0.60
Secure Internet servers (per million people)	27.7	171.7	662.6

French Polynesia

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.24	0.26	1,056
Urban population (% of total)	52	52	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,070	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.5	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	..	3.1
Mobile and fixed-line subscribers per employee	105	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	22.7	20.7	50.0
Mobile cellular subscriptions (per 100 people)	16.9	66.6	100.4
Internet subscribers (per 100 people)	3.0	9.6	25.8
Personal computers (per 100 people)	6.4	11.0	67.4
Households with a television (%)	92	95	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	6.4	28.6	65.7
Quality			
Population covered by mobile cellular network (%)	70	97	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	92.9	82.6
International Internet bandwidth (bits per second per person)	32	857	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	37.3	44.4	26.1
Price basket for mobile service (\$ a month)	..	37.5	13.0
Price basket for Internet service (\$ a month)	..	69.3	22.8
Price of call to United States (\$ for 3 minutes)	3.67	..	0.81
Trade			
ICT goods exports (% of total goods exports)	1.1	0.7	15.2
ICT goods imports (% of total goods imports)	7.3	6.1	14.6
ICT service exports (% of total service exports)	0.3	1.7	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	16.7	63.9	662.6

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	1	824
Urban population (% of total)	80	85	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,220	7,020	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.3	2.0	4.3
Adult literacy rate (% ages 15 and older)	..	86	94
Gross primary, secondary, and tertiary enrollment (%)	70	..	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.0	3.3
Mobile and fixed-line subscribers per employee	150	244	566
Telecommunications investment (% of revenue)	41.8	12.4	..
Performance			
Access			
Telephone lines (per 100 people)	3.3	2.0	22.6
Mobile cellular subscriptions (per 100 people)	10.1	87.9	84.1
Internet subscribers (per 100 people)	0.4	0.8	9.4
Personal computers (per 100 people)	1.0	3.6	12.4
Households with a television (%)	51	58	92
Usage			
International voice traffic (minutes per person per month)	3.9	6.2	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	1.3	6.2	26.6
Quality			
Population covered by mobile cellular network (%)	13	79	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	18.3	47.8
International Internet bandwidth (bits per second per person)	0	150	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	23.4	32.4	10.6
Price basket for mobile service (\$ a month)	..	13.7	10.9
Price basket for Internet service (\$ a month)	..	39.2	16.4
Price of call to United States (\$ for 3 minutes)	14.12	2.77	1.55
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	13.5
ICT goods imports (% of total goods imports)	7.9	6.6	16.2
ICT service exports (% of total service exports)	0.6	..	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.08	0.37
Secure Internet servers (per million people)	0.8	4.4	26.2

Gambia, The

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	2	1,296
Urban population (% of total)	49	56	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	310	320	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.6	4.9	5.6
Adult literacy rate (% ages 15 and older)	..	..	64
Gross primary, secondary, and tertiary enrollment (%)	45	50	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.4	..	3.3
Mobile and fixed-line subscribers per employee	41	481	301
Telecommunications investment (% of revenue)	23.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.4	4.5	4.0
Mobile cellular subscriptions (per 100 people)	0.4	46.9	21.5
Internet subscribers (per 100 people)	0.3	0.2	0.8
Personal computers (per 100 people)	1.1	3.3	1.5
Households with a television (%)	12	12	16
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.9	5.9	5.2
Quality			
Population covered by mobile cellular network (%)	20	85	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	7.6	3.4
International Internet bandwidth (bits per second per person)	0	36	26
Affordability			
Price basket for residential fixed line (\$ a month)	3.9	4.0	5.7
Price basket for mobile service (\$ a month)	..	6.9	11.2
Price basket for Internet service (\$ a month)	..	17.8	29.2
Price of call to United States (\$ for 3 minutes)	5.39	1.81	2.00
Trade			
ICT goods exports (% of total goods exports)	0.5	0.2	1.4
ICT goods imports (% of total goods imports)	3.3	4.6	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.11
Secure Internet servers (per million people)	..	1.7	0.5

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	4	3,435
Urban population (% of total)	53	53	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	700	2,120	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.6	8.3	8.0
Adult literacy rate (% ages 15 and older)	..	..	83
Gross primary, secondary, and tertiary enrollment (%)	74	76	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	..	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	P	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	6.5	3.1
Mobile and fixed-line subscribers per employee	69	355	624
Telecommunications investment (% of revenue)	65.4	30.9	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.8	12.6	15.3
Mobile cellular subscriptions (per 100 people)	4.1	59.1	38.9
Internet subscribers (per 100 people)	0.1	6.4	6.0
Personal computers (per 100 people)	2.4	5.4	4.6
Households with a television (%)	81	89	79
Usage			
International voice traffic (minutes per person per month)	2.4	4.8	..
Mobile telephone usage (minutes per user per month)	..	87	322
Internet users (per 100 people)	0.5	8.2	12.4
Quality			
Population covered by mobile cellular network (%)	79	96	80
Fixed broadband subscribers (% of total Internet subscribers)	25.2	16.6	40.4
International Internet bandwidth (bits per second per person)	2	745	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.2	9.7	7.2
Price basket for mobile service (\$ a month)	..	44.1	9.8
Price basket for Internet service (\$ a month)	..	9.2	16.7
Price of call to United States (\$ for 3 minutes)	2.88	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	20.6
ICT goods imports (% of total goods imports)	7.3	7.1	20.2
ICT service exports (% of total service exports)	..	1.5	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.35	0.33
Secure Internet servers (per million people)	2.1	6.2	1.8

Germany

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	82	82	1,056
Urban population (% of total)	73	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,510	38,990	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.0	1.0	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	89	88	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.6	3.1
Mobile and fixed-line subscribers per employee	409	703	747
Telecommunications investment (% of revenue)	17.4	9.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	61.1	65.3	50.0
Mobile cellular subscriptions (per 100 people)	58.6	118.1	100.4
Internet subscribers (per 100 people)	15.8	24.3	25.8
Personal computers (per 100 people)	33.6	65.6	67.4
Households with a television (%)	97	94	98
Usage			
International voice traffic (minutes per person per month)	15.9	..	14.0
Mobile telephone usage (minutes per user per month)	70	140	353
Internet users (per 100 people)	30.2	72.3	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	2.0	54.0	82.6
International Internet bandwidth (bits per second per person)	848	25,654	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	15.1	26.5	26.1
Price basket for mobile service (\$ a month)	..	21.8	13.0
Price basket for Internet service (\$ a month)	..	20.5	22.8
Price of call to United States (\$ for 3 minutes)	0.34	0.43	0.81
Trade			
ICT goods exports (% of total goods exports)	10.5	9.6	15.2
ICT goods imports (% of total goods imports)	13.0	12.3	14.6
ICT service exports (% of total service exports)	6.4	7.8	7.0
Applications			
ICT expenditure (% of GDP)	..	6.2	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.58	0.60
Secure Internet servers (per million people)	62.6	549.6	662.6

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	20	23	1,296
Urban population (% of total)	44	49	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	320	590	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	5.5	5.6
Adult literacy rate (% ages 15 and older)	58	65	64
Gross primary, secondary, and tertiary enrollment (%)	46	53	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	..	3.3
Mobile and fixed-line subscribers per employee	91	1,261	301
Telecommunications investment (% of revenue)	29.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.1	1.6	4.0
Mobile cellular subscriptions (per 100 people)	0.6	32.4	21.5
Internet subscribers (per 100 people)	0.1	0.1	0.8
Personal computers (per 100 people)	0.3	0.6	1.5
Households with a television (%)	23	25	16
Usage			
International voice traffic (minutes per person per month)	0.9	0.1	..
Mobile telephone usage (minutes per user per month)	50	111	..
Internet users (per 100 people)	0.1	3.8	5.2
Quality			
Population covered by mobile cellular network (%)	..	68	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	69.2	3.4
International Internet bandwidth (bits per second per person)	0	21	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	6.3	5.7
Price basket for mobile service (\$ a month)	..	5.7	11.2
Price basket for Internet service (\$ a month)	..	9.4	29.2
Price of call to United States (\$ for 3 minutes)	1.65	0.39	2.00
Trade			
ICT goods exports (% of total goods exports)	..	0.0	1.4
ICT goods imports (% of total goods imports)	..	6.3	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.11
Secure Internet servers (per million people)	0.0	0.7	0.5

Greece

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	11	11	1,056
Urban population (% of total)	60	61	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	12,560	25,740	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.5	4.3	2.4
Adult literacy rate (% ages 15 and older)	96	97	99
Gross primary, secondary, and tertiary enrollment (%)	81	99	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.7	3.1
Mobile and fixed-line subscribers per employee	451	802	747
Telecommunications investment (% of revenue)	42.3	15.3	14.3
Performance			
Access			
Telephone lines (per 100 people)	51.8	53.7	50.0
Mobile cellular subscriptions (per 100 people)	54.3	109.8	100.4
Internet subscribers (per 100 people)	2.5	10.0	25.8
Personal computers (per 100 people)	6.9	9.4	67.4
Households with a television (%)	97	100	98
Usage			
International voice traffic (minutes per person per month)	12.8	15.1	14.0
Mobile telephone usage (minutes per user per month)	89	170	353
Internet users (per 100 people)	9.2	32.9	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	91.3	82.6
International Internet bandwidth (bits per second per person)	51	4,537	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.2	21.1	26.1
Price basket for mobile service (\$ a month)	..	23.1	13.0
Price basket for Internet service (\$ a month)	..	16.5	22.8
Price of call to United States (\$ for 3 minutes)	0.69	1.09	0.81
Trade			
ICT goods exports (% of total goods exports)	4.4	3.3	15.2
ICT goods imports (% of total goods imports)	8.3	6.0	14.6
ICT service exports (% of total service exports)	1.8	1.6	7.0
Applications			
ICT expenditure (% of GDP)	..	5.4	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.60
Secure Internet servers (per million people)	10.6	61.2	662.6

Greenland

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.06	0.06	1,056
Urban population (% of total)	82	83	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	64	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	46.6	40.8	50.0
Mobile cellular subscriptions (per 100 people)	26.9	117.0	100.4
Internet subscribers (per 100 people)	10.6	..	25.8
Personal computers (per 100 people)	..	..	67.4
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	31.7	91.6	65.7
Quality			
Population covered by mobile cellular network (%)	..	90	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	82.6
International Internet bandwidth (bits per second per person)	107	1,762	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	31.0	36.3	26.1
Price basket for mobile service (\$ a month)	..	6.8	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	2.41	..	0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.6	15.2
ICT goods imports (% of total goods imports)	5.3	6.2	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	35.5	299.6	662.6

Grenada

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.10	0.11	824
Urban population (% of total)	31	31	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,710	3,920	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.7	1.3	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	79	73	82
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	..	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	8.2	3.3
Mobile and fixed-line subscribers per employee	134	..	566
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.2	26.2	22.6
Mobile cellular subscriptions (per 100 people)	4.3	43.7	84.1
Internet subscribers (per 100 people)	2.8	6.9	9.4
Personal computers (per 100 people)	12.0	15.3	12.4
Households with a television (%)	94	..	92
Usage			
International voice traffic (minutes per person per month)	53.7	52.7	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	4.1	21.8	26.6
Quality			
Population covered by mobile cellular network (%)	65	..	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	76.1	47.8
International Internet bandwidth (bits per second per person)	40	4,072	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	15.5	15.1	10.6
Price basket for mobile service (\$ a month)	..	11.6	10.9
Price basket for Internet service (\$ a month)	..	22.0	16.4
Price of call to United States (\$ for 3 minutes)	3.97	..	1.55
Trade			
ICT goods exports (% of total goods exports)	18.4	2.3	13.5
ICT goods imports (% of total goods imports)	6.8	6.2	16.2
ICT service exports (% of total service exports)	19.4	7.4	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.27	0.37
Secure Internet servers (per million people)	49.4	66.3	26.2

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.16	0.17	1,056
Urban population (% of total)	93	93	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	280	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	47.9	40.2	50.0
Mobile cellular subscriptions (per 100 people)	17.5	59.1	100.4
Internet subscribers (per 100 people)	..	..	25.8
Personal computers (per 100 people)	..	..	67.4
Households with a television (%)	88	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	16.1	38.6	65.7
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband subscribers (% of total Internet subscribers)	..	..	82.6
International Internet bandwidth (bits per second per person)	..	..	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	14.6	26.1
Price basket for mobile service (\$ a month)	..	9.9	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	38.1	142.5	662.6

Guatemala

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	11	13	3,435
Urban population (% of total)	45	48	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,730	2,450	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.1	3.6	8.0
Adult literacy rate (% ages 15 and older)	69	73	83
Gross primary, secondary, and tertiary enrollment (%)	58	67	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	..	3.1
Mobile and fixed-line subscribers per employee	434	..	624
Telecommunications investment (% of revenue)	..	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	6.0	10.4	15.3
Mobile cellular subscriptions (per 100 people)	7.6	76.0	38.9
Internet subscribers (per 100 people)	..	..	6.0
Personal computers (per 100 people)	1.2	2.1	4.6
Households with a television (%)	39	50	79
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.7	10.1	12.4
Quality			
Population covered by mobile cellular network (%)	54	76	80
Fixed broadband subscribers (% of total Internet subscribers)	..	..	40.4
International Internet bandwidth (bits per second per person)	1	187	199
Affordability			
Price basket for residential fixed line (\$ a month)	11.0	9.8	7.2
Price basket for mobile service (\$ a month)	..	6.1	9.8
Price basket for Internet service (\$ a month)	..	53.3	16.7
Price of call to United States (\$ for 3 minutes)	0.76	1.21	2.08
Trade			
ICT goods exports (% of total goods exports)	0.1	0.5	20.6
ICT goods imports (% of total goods imports)	9.2	9.1	20.2
ICT service exports (% of total service exports)	0.5	14.8	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.47	0.33
Secure Internet servers (per million people)	1.0	8.0	1.8

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	9	1,296
Urban population (% of total)	31	34	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	410	400	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.4	2.8	5.6
Adult literacy rate (% ages 15 and older)	..	29	64
Gross primary, secondary, and tertiary enrollment (%)	31	45	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9	..	3.3
Mobile and fixed-line subscribers per employee	82	..	301
Telecommunications investment (% of revenue)	17.8	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.5	4.0
Mobile cellular subscriptions (per 100 people)	0.5	21.3	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.4	0.5	1.5
Households with a television (%)	9	10	16
Usage			
International voice traffic (minutes per person per month)	0.4	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.5	5.2
Quality			
Population covered by mobile cellular network (%)	..	80	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	0	26
Affordability			
Price basket for residential fixed line (\$ a month)	10.6	..	5.7
Price basket for mobile service (\$ a month)	..	3.8	11.2
Price basket for Internet service (\$ a month)	..	17.8	29.2
Price of call to United States (\$ for 3 minutes)	5.15	..	2.00
Trade			
ICT goods exports (% of total goods exports)	0.1	..	1.4
ICT goods imports (% of total goods imports)	1.6	..	6.7
ICT service exports (% of total service exports)	2.2	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.07	0.11
Secure Internet servers (per million people)	..	0.1	0.5

Guinea-Bissau

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	2	1,296
Urban population (% of total)	30	30	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	160	200	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-2.7	0.4	5.6
Adult literacy rate (% ages 15 and older)	..	..	64
Gross primary, secondary, and tertiary enrollment (%)	37	..	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile and fixed-line subscribers per employee	46	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	0.3	4.0
Mobile cellular subscriptions (per 100 people)	0.0	17.5	21.5
Internet subscribers (per 100 people)	0.0	..	0.8
Personal computers (per 100 people)	0.2	0.2	1.5
Households with a television (%)	20	31	16
Usage			
International voice traffic (minutes per person per month)	0.7	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	2.2	5.2
Quality			
Population covered by mobile cellular network (%)	..	65	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	3.4
International Internet bandwidth (bits per second per person)	0	1	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	5.7
Price basket for mobile service (\$ a month)	..	11.3	11.2
Price basket for Internet service (\$ a month)	..	75.0	29.2
Price of call to United States (\$ for 3 minutes)	..	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.02	0.11
Secure Internet servers (per million people)	..	..	0.5

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.73	0.74	3,435
Urban population (% of total)	29	28	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	1,250	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.5	0.8	8.0
Adult literacy rate (% ages 15 and older)	..	..	83
Gross primary, secondary, and tertiary enrollment (%)	76	85	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	10.0	..	3.1
Mobile and fixed-line subscribers per employee	164	439	624
Telecommunications investment (% of revenue)	20.2	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.3	14.9	15.3
Mobile cellular subscriptions (per 100 people)	5.4	38.0	38.9
Internet subscribers (per 100 people)	1.8	6.5	6.0
Personal computers (per 100 people)	3.0	3.9	4.6
Households with a television (%)	41	59	79
Usage			
International voice traffic (minutes per person per month)	8.1	9.9	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	6.8	25.7	12.4
Quality			
Population covered by mobile cellular network (%)	..	95	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	4.2	40.4
International Internet bandwidth (bits per second per person)	11	49	199
Affordability			
Price basket for residential fixed line (\$ a month)	1.6	4.8	7.2
Price basket for mobile service (\$ a month)	..	7.5	9.8
Price basket for Internet service (\$ a month)	..	12.1	16.7
Price of call to United States (\$ for 3 minutes)	3.89	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	20.6
ICT goods imports (% of total goods imports)	3.7	3.9	20.2
ICT service exports (% of total service exports)	22.6	21.5	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.24	0.33
Secure Internet servers (per million people)	..	4.1	1.8

Haiti

Latin America & Caribbean

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	9	10	1,296
Urban population (% of total)	36	45	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	470	520	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.4	0.2	5.6
Adult literacy rate (% ages 15 and older)	..	..	64
Gross primary, secondary, and tertiary enrollment (%)	..	..	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile and fixed-line subscribers per employee	32	92	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.1	4.0
Mobile cellular subscriptions (per 100 people)	0.6	26.0	21.5
Internet subscribers (per 100 people)	0.1	1.0	0.8
Personal computers (per 100 people)	0.1	5.2	1.5
Households with a television (%)	23	27	16
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	10.4	5.2
Quality			
Population covered by mobile cellular network (%)	..	32	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	5	17	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	5.7
Price basket for mobile service (\$ a month)	..	4.5	11.2
Price basket for Internet service (\$ a month)	..	70.3	29.2
Price of call to United States (\$ for 3 minutes)	..	2.15	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	17.4	4.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	0.1	0.8	0.5

Honduras

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	6	7	3,435
Urban population (% of total)	44	47	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	940	1,590	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.8	5.3	8.0
Adult literacy rate (% ages 15 and older)	80	84	83
Gross primary, secondary, and tertiary enrollment (%)	62	71	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>M</i>	
Internet service	<i>C</i>	<i>..</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	6.6	3.1
Mobile and fixed-line subscribers per employee	107	391	624
Telecommunications investment (% of revenue)	16.2	41.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	4.8	11.6	15.3
Mobile cellular subscriptions (per 100 people)	2.5	58.9	38.9
Internet subscribers (per 100 people)	0.3	0.5	6.0
Personal computers (per 100 people)	1.1	2.0	4.6
Households with a television (%)	44	61	79
Usage			
International voice traffic (minutes per person per month)	3.9	2.8	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.2	6.0	12.4
Quality			
Population covered by mobile cellular network (%)	83	90	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	2	244	199
Affordability			
Price basket for residential fixed line (\$ a month)	7.0	5.9	7.2
Price basket for mobile service (\$ a month)	..	10.8	9.8
Price basket for Internet service (\$ a month)	..	33.3	16.7
Price of call to United States (\$ for 3 minutes)	3.97	2.52	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.3	20.6
ICT goods imports (% of total goods imports)	0.5	6.9	20.2
ICT service exports (% of total service exports)	..	11.5	15.6
Applications			
ICT expenditure (% of GDP)	..	11.2	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.37	0.33
Secure Internet servers (per million people)	0.6	6.4	1.8

Hong Kong, China

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	7	7	1,056
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	26,570	31,560	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.8	5.2	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	76	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	3.5	3.1
Mobile and fixed-line subscribers per employee	243	813	747
Telecommunications investment (% of revenue)	12.0	12.6	14.3
Performance			
Access			
Telephone lines (per 100 people)	58.9	59.6	50.0
Mobile cellular subscriptions (per 100 people)	81.7	155.2	100.4
Internet subscribers (per 100 people)	40.0	41.4	25.8
Personal computers (per 100 people)	40.2	68.6	67.4
Households with a television (%)	98	100	98
Usage			
International voice traffic (minutes per person per month)	62.8	115.6	14.0
Mobile telephone usage (minutes per user per month)	353	491	353
Internet users (per 100 people)	27.8	57.2	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	16.7	66.3	82.6
International Internet bandwidth (bits per second per person)	627	15,892	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	12.6	8.4	26.1
Price basket for mobile service (\$ a month)	..	2.6	13.0
Price basket for Internet service (\$ a month)	..	25.4	22.8
Price of call to United States (\$ for 3 minutes)	2.62	0.77	0.81
Trade			
ICT goods exports (% of total goods exports)	27.3	42.1	15.2
ICT goods imports (% of total goods imports)	30.1	41.8	14.6
ICT service exports (% of total service exports)	1.0	1.6	7.0
Applications			
ICT expenditure (% of GDP)	..	4.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	80.1	287.5	662.6

Hungary

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	10	1,056
Urban population (% of total)	65	67	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,660	11,680	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.2	4.0	2.4
Adult literacy rate (% ages 15 and older)	..	99	99
Gross primary, secondary, and tertiary enrollment (%)	80	89	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	P	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.7	4.2	3.1
Mobile and fixed-line subscribers per employee	330	1,009	747
Telecommunications investment (% of revenue)	16.9	8.5	14.3
Performance			
Access			
Telephone lines (per 100 people)	37.2	32.3	50.0
Mobile cellular subscriptions (per 100 people)	30.1	109.7	100.4
Internet subscribers (per 100 people)	2.2	14.8	25.8
Personal computers (per 100 people)	8.5	25.6	67.4
Households with a television (%)	100	101	98
Usage			
International voice traffic (minutes per person per month)	5.5	10.0	14.0
Mobile telephone usage (minutes per user per month)	181	164	353
Internet users (per 100 people)	7.0	51.9	65.7
Quality			
Population covered by mobile cellular network (%)	95	99	99
Fixed broadband subscribers (% of total Internet subscribers)	1.5	95.8	82.6
International Internet bandwidth (bits per second per person)	100	4,773	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	14.4	23.6	26.1
Price basket for mobile service (\$ a month)	..	12.1	13.0
Price basket for Internet service (\$ a month)	..	10.5	22.8
Price of call to United States (\$ for 3 minutes)	1.28	1.01	0.81
Trade			
ICT goods exports (% of total goods exports)	27.7	26.1	15.2
ICT goods imports (% of total goods imports)	23.7	19.9	14.6
ICT service exports (% of total service exports)	3.2	6.8	7.0
Applications			
ICT expenditure (% of GDP)	..	5.9	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.62	0.60
Secure Internet servers (per million people)	12.5	83.5	662.6

Iceland

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.28	0.31	1,056
Urban population (% of total)	92	92	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	30,830	57,750	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.0	4.5	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	90	95	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.9	3.1
Mobile and fixed-line subscribers per employee	298	317	747
Telecommunications investment (% of revenue)	33.6	22.9	14.3
Performance			
Access			
Telephone lines (per 100 people)	69.9	60.0	50.0
Mobile cellular subscriptions (per 100 people)	76.5	105.4	100.4
Internet subscribers (per 100 people)	16.7	34.1	25.8
Personal computers (per 100 people)	39.1	52.7	67.4
Households with a television (%)	98	93	98
Usage			
International voice traffic (minutes per person per month)	36.8	21.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	44.5	65.0	65.7
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband subscribers (% of total Internet subscribers)	5.0	92.4	82.6
International Internet bandwidth (bits per second per person)	157	7,074	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	17.2	..	26.1
Price basket for mobile service (\$ a month)	..	13.2	13.0
Price basket for Internet service (\$ a month)	..	53.5	22.8
Price of call to United States (\$ for 3 minutes)	0.84	..	0.81
Trade			
ICT goods exports (% of total goods exports)	0.6	0.4	15.2
ICT goods imports (% of total goods imports)	11.0	5.7	14.6
ICT service exports (% of total service exports)	3.8	3.9	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.46	0.60
Secure Internet servers (per million people)	301.8	1,561.7	662.6

South Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1,016	1,125	3,435
Urban population (% of total)	28	29	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	450	950	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.9	7.8	8.0
Adult literacy rate (% ages 15 and older)	61	66	83
Gross primary, secondary, and tertiary enrollment (%)	55	64	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	2.0	3.1
Mobile and fixed-line subscribers per employee	85	..	624
Telecommunications investment (% of revenue)	49.3	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.2	3.5	15.3
Mobile cellular subscriptions (per 100 people)	0.4	20.8	38.9
Internet subscribers (per 100 people)	0.3	1.2	6.0
Personal computers (per 100 people)	0.5	3.3	4.6
Households with a television (%)	30	53	79
Usage			
International voice traffic (minutes per person per month)	0.2	..	..
Mobile telephone usage (minutes per user per month)	191	447	322
Internet users (per 100 people)	0.5	7.2	12.4
Quality			
Population covered by mobile cellular network (%)	21	61	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	23.2	40.4
International Internet bandwidth (bits per second per person)	1	32	199
Affordability			
Price basket for residential fixed line (\$ a month)	6.0	3.3	7.2
Price basket for mobile service (\$ a month)	..	2.5	9.8
Price basket for Internet service (\$ a month)	..	6.6	16.7
Price of call to United States (\$ for 3 minutes)	3.36	1.19	2.08
Trade			
ICT goods exports (% of total goods exports)	1.6	1.3	20.6
ICT goods imports (% of total goods imports)	6.4	8.3	20.2
ICT service exports (% of total service exports)	31.9	41.6	15.6
Applications			
ICT expenditure (% of GDP)	..	5.6	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.33
Secure Internet servers (per million people)	0.1	1.3	1.8

Indonesia

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	206	226	3,435
Urban population (% of total)	42	50	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	590	1,650	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.6	5.1	8.0
Adult literacy rate (% ages 15 and older)	..	92	83
Gross primary, secondary, and tertiary enrollment (%)	63	68	68
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	2.2	3.1
Mobile and fixed-line subscribers per employee	259	1,095	624
Telecommunications investment (% of revenue)	11.4	28.3	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.2	7.9	15.3
Mobile cellular subscriptions (per 100 people)	1.8	36.3	38.9
Internet subscribers (per 100 people)	0.2	1.4	6.0
Personal computers (per 100 people)	1.0	2.0	4.6
Households with a television (%)	54	65	79
Usage			
International voice traffic (minutes per person per month)	0.3	0.4	..
Mobile telephone usage (minutes per user per month)	..	66	322
Internet users (per 100 people)	0.9	5.8	12.4
Quality			
Population covered by mobile cellular network (%)	89	90	80
Fixed broadband subscribers (% of total Internet subscribers)	1.0	8.2	40.4
International Internet bandwidth (bits per second per person)	1	53	199
Affordability			
Price basket for residential fixed line (\$ a month)	3.5	5.1	7.2
Price basket for mobile service (\$ a month)	..	7.2	9.8
Price basket for Internet service (\$ a month)	..	21.9	16.7
Price of call to United States (\$ for 3 minutes)	3.90	2.79	2.08
Trade			
ICT goods exports (% of total goods exports)	12.6	5.3	20.6
ICT goods imports (% of total goods imports)	3.0	5.4	20.2
ICT service exports (% of total service exports)	..	11.9	15.6
Applications			
ICT expenditure (% of GDP)	..	3.9	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.33	0.33
Secure Internet servers (per million people)	0.3	1.0	1.8

Iran, Islamic Rep.

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	64	71	3,435
Urban population (% of total)	64	68	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,670	3,540	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.7	5.9	8.0
Adult literacy rate (% ages 15 and older)	77	82	83
Gross primary, secondary, and tertiary enrollment (%)	69	73	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>M</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.4	3.1
Mobile and fixed-line subscribers per employee	221	913	624
Telecommunications investment (% of revenue)	6.0	74.5	25.3
Performance			
Access			
Telephone lines (per 100 people)	14.8	33.6	15.3
Mobile cellular subscriptions (per 100 people)	1.5	41.9	38.9
Internet subscribers (per 100 people)	0.4	..	6.0
Personal computers (per 100 people)	6.3	10.6	4.6
Households with a television (%)	68	..	79
Usage			
International voice traffic (minutes per person per month)	0.6	0.7	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.0	32.4	12.4
Quality			
Population covered by mobile cellular network (%)	32	95	80
Fixed broadband subscribers (% of total Internet subscribers)	0.1	..	40.4
International Internet bandwidth (bits per second per person)	1	153	199
Affordability			
Price basket for residential fixed line (\$ a month)	10.8	2.1	7.2
Price basket for mobile service (\$ a month)	..	2.7	9.8
Price basket for Internet service (\$ a month)	..	2.0	16.7
Price of call to United States (\$ for 3 minutes)	7.65	0.55	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	20.6
ICT goods imports (% of total goods imports)	5.5	1.9	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	3.5	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.26	0.33
Secure Internet servers (per million people)	0.0	0.3	1.8

Iraq

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	24	..	3,435
Urban population (% of total)	68	67	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	17.9	-11.4	8.0
Adult literacy rate (% ages 15 and older)	74	..	83
Gross primary, secondary, and tertiary enrollment (%)	53	60	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	941	624
Telecommunications investment (% of revenue)	..	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	2.8	..	15.3
Mobile cellular subscriptions (per 100 people)	0.0	..	38.9
Internet subscribers (per 100 people)	..	..	6.0
Personal computers (per 100 people)	..	..	4.6
Households with a television (%)	..	..	79
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	255	322
Internet users (per 100 people)	..	..	12.4
Quality			
Population covered by mobile cellular network (%)	..	72	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	..	..	199
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	7.2
Price basket for mobile service (\$ a month)	..	2.6	9.8
Price basket for Internet service (\$ a month)	..	..	16.7
Price of call to United States (\$ for 3 minutes)	..	..	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	1.9	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.11	0.33
Secure Internet servers (per million people)	..	..	1.8

Ireland

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	1,056
Urban population (% of total)	59	61	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,160	47,610	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	9.5	5.5	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	91	100	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.4	3.1
Mobile and fixed-line subscribers per employee	246	406	747
Telecommunications investment (% of revenue)	14.3	7.1	14.3
Performance			
Access			
Telephone lines (per 100 people)	48.1	48.4	50.0
Mobile cellular subscriptions (per 100 people)	64.7	114.1	100.4
Internet subscribers (per 100 people)	14.5	25.1	25.8
Personal computers (per 100 people)	35.7	58.2	67.4
Households with a television (%)	94	119	98
Usage			
International voice traffic (minutes per person per month)	59.1	..	14.0
Mobile telephone usage (minutes per user per month)	..	252	353
Internet users (per 100 people)	17.8	56.1	65.7
Quality			
Population covered by mobile cellular network (%)	98	99	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	73.6	82.6
International Internet bandwidth (bits per second per person)	241	15,229	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	28.6	41.5	26.1
Price basket for mobile service (\$ a month)	..	19.3	13.0
Price basket for Internet service (\$ a month)	..	31.4	22.8
Price of call to United States (\$ for 3 minutes)	0.80	0.71	0.81
Trade			
ICT goods exports (% of total goods exports)	34.5	22.4	15.2
ICT goods imports (% of total goods imports)	34.0	24.1	14.6
ICT service exports (% of total service exports)	45.5	30.1	7.0
Applications			
ICT expenditure (% of GDP)	..	5.9	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.68	0.60
Secure Internet servers (per million people)	90.5	672.9	662.6

Isle of Man

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.07	0.08	1,056
Urban population (% of total)	52	51	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,170	45,810	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	10.4	6.0	2.4
Adult literacy rate (% ages 15 and older)	99
Gross primary, secondary, and tertiary enrollment (%)	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1
Mobile and fixed-line subscribers per employee	747
Telecommunications investment (% of revenue)	14.3
Performance			
Access			
Telephone lines (per 100 people)	50.0
Mobile cellular subscriptions (per 100 people)	100.4
Internet subscribers (per 100 people)	25.8
Personal computers (per 100 people)	67.4
Households with a television (%)	98
Usage			
International voice traffic (minutes per person per month)	14.0
Mobile telephone usage (minutes per user per month)	353
Internet users (per 100 people)	65.7
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband subscribers (% of total Internet subscribers)	82.6
International Internet bandwidth (bits per second per person)	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	26.1
Price basket for mobile service (\$ a month)	13.0
Price basket for Internet service (\$ a month)	22.8
Price of call to United States (\$ for 3 minutes)	0.81
Trade			
ICT goods exports (% of total goods exports)	15.2
ICT goods imports (% of total goods imports)	14.6
ICT service exports (% of total service exports)	7.0
Applications			
ICT expenditure (% of GDP)	6.7
E-gov't Web measure index (0–1, 1=highest presence)	0.60
Secure Internet servers (per million people)	81.8	217.4	662.6

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	6	7	1,056
Urban population (% of total)	91	92	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	17,850	22,170	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.5	3.2	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	88	90	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	..	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	4.1	3.1
Mobile and fixed-line subscribers per employee	618	692	747
Telecommunications investment (% of revenue)	16.1	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	47.3	42.6	50.0
Mobile cellular subscriptions (per 100 people)	70.0	124.0	100.4
Internet subscribers (per 100 people)	12.8	26.8	25.8
Personal computers (per 100 people)	25.3	24.2	67.4
Households with a television (%)	92	92	98
Usage			
International voice traffic (minutes per person per month)	22.3	30.3	14.0
Mobile telephone usage (minutes per user per month)	361	351	353
Internet users (per 100 people)	20.2	27.9	65.7
Quality			
Population covered by mobile cellular network (%)	97	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	75.2	82.6
International Internet bandwidth (bits per second per person)	53	2,003	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	15.1	26.1
Price basket for mobile service (\$ a month)	..	10.3	13.0
Price basket for Internet service (\$ a month)	..	24.2	22.8
Price of call to United States (\$ for 3 minutes)	..	0.59	0.81
Trade			
ICT goods exports (% of total goods exports)	25.2	10.9	15.2
ICT goods imports (% of total goods imports)	16.4	11.4	14.6
ICT service exports (% of total service exports)	28.7	28.5	7.0
Applications			
ICT expenditure (% of GDP)	..	6.5	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.67	0.60
Secure Internet servers (per million people)	46.7	272.7	662.6

Italy

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	57	59	1,056
Urban population (% of total)	67	68	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,890	33,490	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.8	1.0	2.4
Adult literacy rate (% ages 15 and older)	98	99	99
Gross primary, secondary, and tertiary enrollment (%)	81	91	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	3.2	3.1
Mobile and fixed-line subscribers per employee	915	1,228	747
Telecommunications investment (% of revenue)	26.7	14.5	14.3
Performance			
Access			
Telephone lines (per 100 people)	47.7	45.6	50.0
Mobile cellular subscriptions (per 100 people)	74.2	151.8	100.4
Internet subscribers (per 100 people)	10.2	30.2	25.8
Personal computers (per 100 people)	18.1	36.7	67.4
Households with a television (%)	98	98	98
Usage			
International voice traffic (minutes per person per month)	13.2	19.7	14.0
Mobile telephone usage (minutes per user per month)	116	116	353
Internet users (per 100 people)	23.2	53.9	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	2.0	38.5	82.6
International Internet bandwidth (bits per second per person)	168	10,302	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	18.9	24.9	26.1
Price basket for mobile service (\$ a month)	..	14.1	13.0
Price basket for Internet service (\$ a month)	..	25.0	22.8
Price of call to United States (\$ for 3 minutes)	0.81	0.79	0.81
Trade			
ICT goods exports (% of total goods exports)	5.3	3.7	15.2
ICT goods imports (% of total goods imports)	9.9	7.0	14.6
ICT service exports (% of total service exports)	3.0	3.5	7.0
Applications			
ICT expenditure (% of GDP)	..	5.8	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.51	0.60
Secure Internet servers (per million people)	18.3	92.8	662.6

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	824
Urban population (% of total)	52	53	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,930	3,330	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.1	1.0	4.3
Adult literacy rate (% ages 15 and older)	80	86	94
Gross primary, secondary, and tertiary enrollment (%)	74	78	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	C	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9	4.9	3.3
Mobile and fixed-line subscribers per employee	268	678	566
Telecommunications investment (% of revenue)	32.5	36.7	..
Performance			
Access			
Telephone lines (per 100 people)	19.1	13.6	22.6
Mobile cellular subscriptions (per 100 people)	14.2	100.0	84.1
Internet subscribers (per 100 people)	..	3.2	9.4
Personal computers (per 100 people)	4.6	6.8	12.4
Households with a television (%)	71	70	92
Usage			
International voice traffic (minutes per person per month)	12.9	19.5	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	3.1	56.1	26.6
Quality			
Population covered by mobile cellular network (%)	80	95	95
Fixed broadband subscribers (% of total Internet subscribers)	..	92.9	47.8
International Internet bandwidth (bits per second per person)	28	19,151	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	5.0	9.1	10.6
Price basket for mobile service (\$ a month)	..	7.5	10.9
Price basket for Internet service (\$ a month)	..	34.3	16.4
Price of call to United States (\$ for 3 minutes)	..	0.87	1.55
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	13.5
ICT goods imports (% of total goods imports)	5.7	3.6	16.2
ICT service exports (% of total service exports)	12.3	6.8	4.6
Applications			
ICT expenditure (% of GDP)	..	6.6	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.32	0.37
Secure Internet servers (per million people)	1.9	31.6	26.2

Japan

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	127	128	1,056
Urban population (% of total)	65	66	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,620	37,790	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.6	1.7	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	83	86	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.1	3.1
Mobile and fixed-line subscribers per employee	830	1,334	747
Telecommunications investment (% of revenue)	26.8	13.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	48.8	40.1	50.0
Mobile cellular subscriptions (per 100 people)	52.6	84.0	100.4
Internet subscribers (per 100 people)	14.3	..	25.8
Personal computers (per 100 people)	31.5	40.7	67.4
Households with a television (%)	79	99	98
Usage			
International voice traffic (minutes per person per month)	2.5	3.9	14.0
Mobile telephone usage (minutes per user per month)	184	138	353
Internet users (per 100 people)	30.0	69.0	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	4.7	..	82.6
International Internet bandwidth (bits per second per person)	57	3,734	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	26.1	26.1
Price basket for mobile service (\$ a month)	..	29.6	13.0
Price basket for Internet service (\$ a month)	..	28.6	22.8
Price of call to United States (\$ for 3 minutes)	1.67	1.63	0.81
Trade			
ICT goods exports (% of total goods exports)	25.8	19.3	15.2
ICT goods imports (% of total goods imports)	17.6	13.7	14.6
ICT service exports (% of total service exports)	3.5	1.2	7.0
Applications			
ICT expenditure (% of GDP)	..	7.2	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.74	0.60
Secure Internet servers (per million people)	40.5	471.6	662.6

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	3,435
Urban population (% of total)	78	78	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,790	2,840	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	6.3	8.0
Adult literacy rate (% ages 15 and older)	..	91	83
Gross primary, secondary, and tertiary enrollment (%)	76	78	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.7	8.3	3.1
Mobile and fixed-line subscribers per employee	158	1,026	624
Telecommunications investment (% of revenue)	38.5	12.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	12.9	10.2	15.3
Mobile cellular subscriptions (per 100 people)	8.1	83.4	38.9
Internet subscribers (per 100 people)	0.7	3.9	6.0
Personal computers (per 100 people)	3.1	6.7	4.6
Households with a television (%)	96	96	79
Usage			
International voice traffic (minutes per person per month)	6.7	2.7	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	2.7	19.7	12.4
Quality			
Population covered by mobile cellular network (%)	99	99	80
Fixed broadband subscribers (% of total Internet subscribers)	0.6	38.2	40.4
International Internet bandwidth (bits per second per person)	18	164	199
Affordability			
Price basket for residential fixed line (\$ a month)	8.8	10.0	7.2
Price basket for mobile service (\$ a month)	..	6.9	9.8
Price basket for Internet service (\$ a month)	..	11.1	16.7
Price of call to United States (\$ for 3 minutes)	2.86	1.44	2.08
Trade			
ICT goods exports (% of total goods exports)	3.7	4.8	20.6
ICT goods imports (% of total goods imports)	5.9	7.0	20.2
ICT service exports (% of total service exports)	..	0.0	15.6
Applications			
ICT expenditure (% of GDP)	..	9.3	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.61	0.33
Secure Internet servers (per million people)	0.4	8.8	1.8

Kazakhstan

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	15	15	824
Urban population (% of total)	56	58	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,270	5,020	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.9	10.0	4.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, and tertiary enrollment (%)	79	94	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	P	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	2.9	3.3
Mobile and fixed-line subscribers per employee	66	308	566
Telecommunications investment (% of revenue)	26.7	22.5	..
Performance			
Access			
Telephone lines (per 100 people)	12.3	20.9	22.6
Mobile cellular subscriptions (per 100 people)	1.3	79.6	84.1
Internet subscribers (per 100 people)	..	4.4	9.4
Personal computers (per 100 people)	..	..	12.4
Households with a television (%)	92	..	92
Usage			
International voice traffic (minutes per person per month)	1.6	3.9	..
Mobile telephone usage (minutes per user per month)	..	100	137
Internet users (per 100 people)	0.7	12.3	26.6
Quality			
Population covered by mobile cellular network (%)	94	81	95
Fixed broadband subscribers (% of total Internet subscribers)	..	39.6	47.8
International Internet bandwidth (bits per second per person)	1	129	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	4.8	10.6
Price basket for mobile service (\$ a month)	..	11.4	10.9
Price basket for Internet service (\$ a month)	..	16.3	16.4
Price of call to United States (\$ for 3 minutes)	2.76	..	1.55
Trade			
ICT goods exports (% of total goods exports)	0.6	0.1	13.5
ICT goods imports (% of total goods imports)	6.9	5.2	16.2
ICT service exports (% of total service exports)	3.4	2.5	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.32	0.37
Secure Internet servers (per million people)	0.5	2.0	26.2

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	31	38	1,296
Urban population (% of total)	20	21	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	420	640	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	4.4	5.6
Adult literacy rate (% ages 15 and older)	74	..	64
Gross primary, secondary, and tertiary enrollment (%)	53	61	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	6.1	3.3
Mobile and fixed-line subscribers per employee	21	1,782	301
Telecommunications investment (% of revenue)	88.5	38.2	..
Performance			
Access			
Telephone lines (per 100 people)	0.9	0.7	4.0
Mobile cellular subscriptions (per 100 people)	0.4	30.2	21.5
Internet subscribers (per 100 people)	0.1	0.5	0.8
Personal computers (per 100 people)	0.5	1.4	1.5
Households with a television (%)	15	39	16
Usage			
International voice traffic (minutes per person per month)	0.2	0.3	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.3	8.0	5.2
Quality			
Population covered by mobile cellular network (%)	..	77	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	9.5	3.4
International Internet bandwidth (bits per second per person)	0	9	26
Affordability			
Price basket for residential fixed line (\$ a month)	6.6	19.4	5.7
Price basket for mobile service (\$ a month)	..	17.8	11.2
Price basket for Internet service (\$ a month)	..	63.9	29.2
Price of call to United States (\$ for 3 minutes)	7.35	3.00	2.00
Trade			
ICT goods exports (% of total goods exports)	0.1	1.0	1.4
ICT goods imports (% of total goods imports)	5.3	5.6	6.7
ICT service exports (% of total service exports)	2.2	4.1	..
Applications			
ICT expenditure (% of GDP)	..	8.2	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.30	0.11
Secure Internet servers (per million people)	0.0	1.1	0.5

Kiribati

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.08	0.10	3,435
Urban population (% of total)	43	44	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,130	1,120	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	9.6	-0.5	8.0
Adult literacy rate (% ages 15 and older)	..	..	83
Gross primary, secondary, and tertiary enrollment (%)	81	75	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	<i>P</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	9.2	..	3.1
Mobile and fixed-line subscribers per employee	28	..	624
Telecommunications investment (% of revenue)	..	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	4.0	4.3	15.3
Mobile cellular subscriptions (per 100 people)	0.4	0.7	38.9
Internet subscribers (per 100 people)	0.6	..	6.0
Personal computers (per 100 people)	1.0	1.1	4.6
Households with a television (%)	22	26	79
Usage			
International voice traffic (minutes per person per month)	2.2	..	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.8	2.1	12.4
Quality			
Population covered by mobile cellular network (%)	..	..	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	2	..	199
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	13.0	7.2
Price basket for mobile service (\$ a month)	..	12.7	9.8
Price basket for Internet service (\$ a month)	..	..	16.7
Price of call to United States (\$ for 3 minutes)	6.98	8.82	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	1.6	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.33
Secure Internet servers (per million people)	..	..	1.8

Korea, Dem. Rep.

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	23	24	1,296
Urban population (% of total)	60	62	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	..	..	5.6
Adult literacy rate (% ages 15 and older)	..	..	64
Gross primary, secondary, and tertiary enrollment (%)	..	..	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile and fixed-line subscribers per employee	..	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.2	5.0	4.0
Mobile cellular subscriptions (per 100 people)	0.0	0.0	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	..	..	1.5
Households with a television (%)	..	..	16
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.0	5.2
Quality			
Population covered by mobile cellular network (%)	0	0	54
Fixed broadband subscribers (% of total Internet subscribers)	..	..	3.4
International Internet bandwidth (bits per second per person)	..	..	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	5.7
Price basket for mobile service (\$ a month)	..	..	11.2
Price basket for Internet service (\$ a month)	..	..	29.2
Price of call to United States (\$ for 3 minutes)	..	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.02	0.11
Secure Internet servers (per million people)	..	..	0.5

Korea, Rep.

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	47	48	1,056
Urban population (% of total)	80	81	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,800	19,730	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.5	4.7	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	90	97	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	5.0	3.1
Mobile and fixed-line subscribers per employee	758	637	747
Telecommunications investment (% of revenue)	37.4	16.2	14.3
Performance			
Access			
Telephone lines (per 100 people)	55.0	46.2	50.0
Mobile cellular subscriptions (per 100 people)	57.0	89.8	100.4
Internet subscribers (per 100 people)	10.9	30.4	25.8
Personal computers (per 100 people)	39.6	57.6	67.4
Households with a television (%)	96	100	98
Usage			
International voice traffic (minutes per person per month)	3.2	2.4	14.0
Mobile telephone usage (minutes per user per month)	149	220	353
Internet users (per 100 people)	40.5	75.9	65.7
Quality			
Population covered by mobile cellular network (%)	99	90	99
Fixed broadband subscribers (% of total Internet subscribers)	75.5	100.0	82.6
International Internet bandwidth (bits per second per person)	48	1,027	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	7.1	7.8	26.1
Price basket for mobile service (\$ a month)	..	18.3	13.0
Price basket for Internet service (\$ a month)	..	10.7	22.8
Price of call to United States (\$ for 3 minutes)	1.93	0.76	0.81
Trade			
ICT goods exports (% of total goods exports)	35.7	27.2	15.2
ICT goods imports (% of total goods imports)	24.4	16.5	14.6
ICT service exports (% of total service exports)	1.3	1.4	7.0
Applications			
ICT expenditure (% of GDP)	..	7.1	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.82	0.60
Secure Internet servers (per million people)	7.3	695.7	662.6

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	3	1,056
Urban population (% of total)	98	98	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,790	38,420	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.8	9.2	2.4
Adult literacy rate (% ages 15 and older)	..	94	99
Gross primary, secondary, and tertiary enrollment (%)	78	75	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>M</i>	
Internet service	<i>P</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	3.5	3.1
Mobile and fixed-line subscribers per employee	123	372	747
Telecommunications investment (% of revenue)	19.7	27.0	14.3
Performance			
Access			
Telephone lines (per 100 people)	21.3	19.9	50.0
Mobile cellular subscriptions (per 100 people)	21.7	104.2	100.4
Internet subscribers (per 100 people)	..	11.2	25.8
Personal computers (per 100 people)	11.4	23.7	67.4
Households with a television (%)	95	95	98
Usage			
International voice traffic (minutes per person per month)	13.5	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	6.8	33.8	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	..	8.8	82.6
International Internet bandwidth (bits per second per person)	26	871	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	9.9	10.6	26.1
Price basket for mobile service (\$ a month)	..	75.0	13.0
Price basket for Internet service (\$ a month)	..	22.3	22.8
Price of call to United States (\$ for 3 minutes)	1.94	1.51	0.81
Trade			
ICT goods exports (% of total goods exports)	0.0	..	15.2
ICT goods imports (% of total goods imports)	6.3	..	14.6
ICT service exports (% of total service exports)	..	48.4	7.0
Applications			
ICT expenditure (% of GDP)	..	4.5	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.60
Secure Internet servers (per million people)	1.8	64.9	662.6

Kyrgyz Republic

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	5	1,296
Urban population (% of total)	35	36	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	610	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.4	4.1	5.6
Adult literacy rate (% ages 15 and older)	99	99	64
Gross primary, secondary, and tertiary enrollment (%)	76	78	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	4.8	3.3
Mobile and fixed-line subscribers per employee	53	311	301
Telecommunications investment (% of revenue)	8.0	3.2	..
Performance			
Access			
Telephone lines (per 100 people)	7.7	9.2	4.0
Mobile cellular subscriptions (per 100 people)	0.2	41.4	21.5
Internet subscribers (per 100 people)	0.1	0.4	0.8
Personal computers (per 100 people)	0.5	1.9	1.5
Households with a television (%)	84	..	16
Usage			
International voice traffic (minutes per person per month)	1.0	2.5	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	1.0	14.3	5.2
Quality			
Population covered by mobile cellular network (%)	..	24	54
Fixed broadband subscribers (% of total Internet subscribers)	0.8	14.6	3.4
International Internet bandwidth (bits per second per person)	2	114	26
Affordability			
Price basket for residential fixed line (\$ a month)	5.3	4.7	5.7
Price basket for mobile service (\$ a month)	..	6.4	11.2
Price basket for Internet service (\$ a month)	..	12.0	29.2
Price of call to United States (\$ for 3 minutes)	9.84	5.40	2.00
Trade			
ICT goods exports (% of total goods exports)	0.8	0.8	1.4
ICT goods imports (% of total goods imports)	4.6	5.1	6.7
ICT service exports (% of total service exports)	15.7	1.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.11
Secure Internet servers (per million people)	0.4	0.6	0.5

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	1,296
Urban population (% of total)	22	30	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	290	630	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.1	6.7	5.6
Adult literacy rate (% ages 15 and older)	69	73	64
Gross primary, secondary, and tertiary enrollment (%)	57	61	51
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	1.7	3.3
Mobile and fixed-line subscribers per employee	47	748	301
Telecommunications investment (% of revenue)	31.3	63.0	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.6	4.0
Mobile cellular subscriptions (per 100 people)	0.2	25.2	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.3	1.8	1.5
Households with a television (%)	30	30	16
Usage			
International voice traffic (minutes per person per month)	0.4	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.7	5.2
Quality			
Population covered by mobile cellular network (%)	..	55	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	65.7	3.4
International Internet bandwidth (bits per second per person)	0	32	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	3.5	5.7
Price basket for mobile service (\$ a month)	..	3.8	11.2
Price basket for Internet service (\$ a month)	..	27.6	29.2
Price of call to United States (\$ for 3 minutes)	9.20	1.11	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Latvia

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	2	824
Urban population (% of total)	68	68	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,220	9,920	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.7	9.0	4.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, and tertiary enrollment (%)	84	90	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	4.0	3.3
Mobile and fixed-line subscribers per employee	263	697	566
Telecommunications investment (% of revenue)	20.9	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.0	28.3	22.6
Mobile cellular subscriptions (per 100 people)	16.9	97.4	84.1
Internet subscribers (per 100 people)	1.4	6.4	9.4
Personal computers (per 100 people)	14.3	32.7	12.4
Households with a television (%)	81	80	92
Usage			
International voice traffic (minutes per person per month)	5.1	5.6	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	6.3	55.0	26.6
Quality			
Population covered by mobile cellular network (%)	89	99	95
Fixed broadband subscribers (% of total Internet subscribers)	0.8	100.1	47.8
International Internet bandwidth (bits per second per person)	65	3,537	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	12.5	13.3	10.6
Price basket for mobile service (\$ a month)	..	9.3	10.9
Price basket for Internet service (\$ a month)	..	12.6	16.4
Price of call to United States (\$ for 3 minutes)	2.05	1.63	1.55
Trade			
ICT goods exports (% of total goods exports)	1.7	3.4	13.5
ICT goods imports (% of total goods imports)	7.7	6.9	16.2
ICT service exports (% of total service exports)	3.5	4.9	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.45	0.37
Secure Internet servers (per million people)	18.2	98.0	26.2

Lebanon

	Middle East & North Africa		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	824
Urban population (% of total)	86	87	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,580	5,800	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.3	3.3	4.3
Adult literacy rate (% ages 15 and older)	..	90	94
Gross primary, secondary, and tertiary enrollment (%)	78	85	82
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	..	M	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	8.0	3.3
Mobile and fixed-line subscribers per employee	210	..	566
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	15.3	17.0	22.6
Mobile cellular subscriptions (per 100 people)	19.7	30.8	84.1
Internet subscribers (per 100 people)	2.2	6.3	9.4
Personal computers (per 100 people)	4.6	10.4	12.4
Households with a television (%)	92	95	92
Usage			
International voice traffic (minutes per person per month)	9.0	23.3	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	8.0	38.3	26.6
Quality			
Population covered by mobile cellular network (%)	..	100	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	76.9	47.8
International Internet bandwidth (bits per second per person)	10	227	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	21.3	15.0	10.6
Price basket for mobile service (\$ a month)	..	20.1	10.9
Price basket for Internet service (\$ a month)	..	10.0	16.4
Price of call to United States (\$ for 3 minutes)	4.48	2.19	1.55
Trade			
ICT goods exports (% of total goods exports)	1.6	1.2	13.5
ICT goods imports (% of total goods imports)	4.5	4.0	16.2
ICT service exports (% of total service exports)	1.4	2.2	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.39	0.37
Secure Internet servers (per million people)	5.0	13.0	26.2

Lesotho

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	2	3,435
Urban population (% of total)	20	25	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	600	1,030	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.3	3.8	8.0
Adult literacy rate (% ages 15 and older)	82	..	83
Gross primary, secondary, and tertiary enrollment (%)	62	66	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	0.6	3.1
Mobile and fixed-line subscribers per employee	126	1,111	624
Telecommunications investment (% of revenue)	9.8	20.9	25.3
Performance			
Access			
Telephone lines (per 100 people)	1.2	2.7	15.3
Mobile cellular subscriptions (per 100 people)	1.1	22.7	38.9
Internet subscribers (per 100 people)	0.1	0.1	6.0
Personal computers (per 100 people)	0.1	0.3	4.6
Households with a television (%)	12	13	79
Usage			
International voice traffic (minutes per person per month)	..	1.5	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.2	3.5	12.4
Quality			
Population covered by mobile cellular network (%)	21	55	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.8	40.4
International Internet bandwidth (bits per second per person)	0	2	199
Affordability			
Price basket for residential fixed line (\$ a month)	9.7	14.5	7.2
Price basket for mobile service (\$ a month)	..	14.0	9.8
Price basket for Internet service (\$ a month)	..	77.5	16.7
Price of call to United States (\$ for 3 minutes)	2.31	3.28	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.34	0.33
Secure Internet servers (per million people)	..	0.5	1.8

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	4	1,296
Urban population (% of total)	54	59	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	130	140	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	38.9	-2.7	5.6
Adult literacy rate (% ages 15 and older)	..	56	64
Gross primary, secondary, and tertiary enrollment (%)	57	..	51
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	..	
Mobile telephone service	..	P	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	8.2	3.3
Mobile and fixed-line subscribers per employee	..	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	15.2	21.5
Internet subscribers (per 100 people)	..	0.4	0.8
Personal computers (per 100 people)	..	..	1.5
Households with a television (%)	..	..	16
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.5	5.2
Quality			
Population covered by mobile cellular network (%)	..	16	54
Fixed broadband subscribers (% of total Internet subscribers)	..	..	3.4
International Internet bandwidth (bits per second per person)	0	..	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	5.7
Price basket for mobile service (\$ a month)	..	..	11.2
Price basket for Internet service (\$ a month)	..	..	29.2
Price of call to United States (\$ for 3 minutes)	..	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.11	0.11
Secure Internet servers (per million people)	..	..	0.5

Libya

	Middle East & North Africa		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	824
Urban population (% of total)	76	77	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	9,010	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	..	3.7	4.3
Adult literacy rate (% ages 15 and older)	..	87	94
Gross primary, secondary, and tertiary enrollment (%)	95	94	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile and fixed-line subscribers per employee	46	..	566
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	11.3	14.4	22.6
Mobile cellular subscriptions (per 100 people)	0.7	73.1	84.1
Internet subscribers (per 100 people)	..	1.4	9.4
Personal computers (per 100 people)	2.4	2.2	12.4
Households with a television (%)	95	50	92
Usage			
International voice traffic (minutes per person per month)	..	5.5	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	0.2	4.3	26.6
Quality			
Population covered by mobile cellular network (%)	..	71	95
Fixed broadband subscribers (% of total Internet subscribers)	..	11.7	47.8
International Internet bandwidth (bits per second per person)	0	50	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	1.9	10.6
Price basket for mobile service (\$ a month)	..	6.1	10.9
Price basket for Internet service (\$ a month)	..	22.1	16.4
Price of call to United States (\$ for 3 minutes)	..	..	1.55
Trade			
ICT goods exports (% of total goods exports)	..	..	13.5
ICT goods imports (% of total goods imports)	..	..	16.2
ICT service exports (% of total service exports)	2.3	2.5	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.08	0.37
Secure Internet servers (per million people)	..	0.5	26.2

Liechtenstein

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.03	0.04	1,056
Urban population (% of total)	15	14	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	86	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	..	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	..	P	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	301	369	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	61.5	55.5	50.0
Mobile cellular subscriptions (per 100 people)	30.6	90.8	100.4
Internet subscribers (per 100 people)	24.5	47.4	25.8
Personal computers (per 100 people)	..	..	67.4
Households with a television (%)	98	94	98
Usage			
International voice traffic (minutes per person per month)	251.4	173.2	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	36.8	65.2	65.7
Quality			
Population covered by mobile cellular network (%)	90	95	99
Fixed broadband subscribers (% of total Internet subscribers)	10.3	83.8	82.6
International Internet bandwidth (bits per second per person)	..	4,253	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	20.8	10.8	26.1
Price basket for mobile service (\$ a month)	..	..	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.19	0.60
Secure Internet servers (per million people)	542.3	3,012.1	662.6

Lithuania

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	824
Urban population (% of total)	67	67	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,170	9,770	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.2	8.0	4.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, and tertiary enrollment (%)	88	91	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	3.1	3.3
Mobile and fixed-line subscribers per employee	283	..	566
Telecommunications investment (% of revenue)	49.8	18.4	..
Performance			
Access			
Telephone lines (per 100 people)	33.9	23.7	22.6
Mobile cellular subscriptions (per 100 people)	15.0	145.8	84.1
Internet subscribers (per 100 people)	1.5	15.2	9.4
Personal computers (per 100 people)	6.9	18.3	12.4
Households with a television (%)	87	98	92
Usage			
International voice traffic (minutes per person per month)	3.6	4.5	..
Mobile telephone usage (minutes per user per month)	..	103	137
Internet users (per 100 people)	6.4	49.2	26.6
Quality			
Population covered by mobile cellular network (%)	100	100	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	98.9	47.8
International Internet bandwidth (bits per second per person)	14	4,656	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	9.5	17.7	10.6
Price basket for mobile service (\$ a month)	..	8.9	10.9
Price basket for Internet service (\$ a month)	..	7.3	16.4
Price of call to United States (\$ for 3 minutes)	3.10	1.55	1.55
Trade			
ICT goods exports (% of total goods exports)	5.2	4.8	13.5
ICT goods imports (% of total goods imports)	5.6	6.4	16.2
ICT service exports (% of total service exports)	4.8	3.1	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.61	0.37
Secure Internet servers (per million people)	12.4	83.4	26.2

Luxembourg

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.44	0.48	1,056
Urban population (% of total)	84	83	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	43,490	72,430	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.4	4.2	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	74	77	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	1.4	3.1
Mobile and fixed-line subscribers per employee	622	631	747
Telecommunications investment (% of revenue)	20.3	18.2	14.3
Performance			
Access			
Telephone lines (per 100 people)	56.8	51.7	50.0
Mobile cellular subscriptions (per 100 people)	69.2	125.9	100.4
Internet subscribers (per 100 people)	5.6	28.9	25.8
Personal computers (per 100 people)	45.7	67.3	67.4
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	22.8	75.8	65.7
Quality			
Population covered by mobile cellular network (%)	98	99	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	92.6	82.6
International Internet bandwidth (bits per second per person)	687	19,994	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	20.5	29.2	26.1
Price basket for mobile service (\$ a month)	..	11.5	13.0
Price basket for Internet service (\$ a month)	..	27.6	22.8
Price of call to United States (\$ for 3 minutes)	15.96	..	0.81
Trade			
ICT goods exports (% of total goods exports)	14.9	8.1	15.2
ICT goods imports (% of total goods imports)	12.7	8.0	14.6
ICT service exports (% of total service exports)	4.2	5.2	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61	0.60
Secure Internet servers (per million people)	120.6	912.4	662.6

Macao, China

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.44	0.48	1,056
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,250	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-1.1	15.2	2.4
Adult literacy rate (% ages 15 and older)	91	93	99
Gross primary, secondary, and tertiary enrollment (%)	76	89	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	2.3	3.1
Mobile and fixed-line subscribers per employee	317	821	747
Telecommunications investment (% of revenue)	14.1	15.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	40.1	37.1	50.0
Mobile cellular subscriptions (per 100 people)	32.0	165.4	100.4
Internet subscribers (per 100 people)	6.3	25.4	25.8
Personal computers (per 100 people)	15.9	40.2	67.4
Households with a television (%)	79	96	98
Usage			
International voice traffic (minutes per person per month)	48.4	28.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	13.6	49.6	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	13.5	90.5	82.6
International Internet bandwidth (bits per second per person)	240	9,279	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	9.2	8.8	26.1
Price basket for mobile service (\$ a month)	..	16.8	13.0
Price basket for Internet service (\$ a month)	..	11.8	22.8
Price of call to United States (\$ for 3 minutes)	1.12	1.12	0.81
Trade			
ICT goods exports (% of total goods exports)	4.3	4.4	15.2
ICT goods imports (% of total goods imports)	7.2	9.6	14.6
ICT service exports (% of total service exports)	0.9	0.5	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	17.9	103.6	662.6

Macedonia, FYR

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	2	3,435
Urban population (% of total)	63	66	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,840	3,470	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.0	2.7	8.0
Adult literacy rate (% ages 15 and older)	96	97	83
Gross primary, secondary, and tertiary enrollment (%)	69	70	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.2	6.8	3.1
Mobile and fixed-line subscribers per employee	168	1,065	624
Telecommunications investment (% of revenue)	26.7	42.5	25.3
Performance			
Access			
Telephone lines (per 100 people)	25.2	22.8	15.3
Mobile cellular subscriptions (per 100 people)	5.8	95.6	38.9
Internet subscribers (per 100 people)	1.5	13.4	6.0
Personal computers (per 100 people)	3.6	36.8	4.6
Households with a television (%)	85	98	79
Usage			
International voice traffic (minutes per person per month)	9.9	10.4	..
Mobile telephone usage (minutes per user per month)	..	85	322
Internet users (per 100 people)	2.5	27.3	12.4
Quality			
Population covered by mobile cellular network (%)	90	100	80
Fixed broadband subscribers (% of total Internet subscribers)	..	36.7	40.4
International Internet bandwidth (bits per second per person)	25	17	199
Affordability			
Price basket for residential fixed line (\$ a month)	5.3	10.5	7.2
Price basket for mobile service (\$ a month)	..	14.8	9.8
Price basket for Internet service (\$ a month)	..	33.8	16.7
Price of call to United States (\$ for 3 minutes)	3.95	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.3	0.4	20.6
ICT goods imports (% of total goods imports)	4.4	4.4	20.2
ICT service exports (% of total service exports)	12.7	14.1	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.36	0.33
Secure Internet servers (per million people)	..	11.8	1.8

Madagascar

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	16	20	1,296
Urban population (% of total)	27	29	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	240	320	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.9	3.2	5.6
Adult literacy rate (% ages 15 and older)	71	..	64
Gross primary, secondary, and tertiary enrollment (%)	43	60	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	P	
Mobile telephone service	C	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	10.3	3.9	3.3
Mobile and fixed-line subscribers per employee	44	394	301
Telecommunications investment (% of revenue)	14.0	32.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.7	4.0
Mobile cellular subscriptions (per 100 people)	0.4	11.3	21.5
Internet subscribers (per 100 people)	0.1	0.1	0.8
Personal computers (per 100 people)	0.2	0.5	1.5
Households with a television (%)	12	18	16
Usage			
International voice traffic (minutes per person per month)	0.2	0.1	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	0.6	5.2
Quality			
Population covered by mobile cellular network (%)	21	23	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	18.5	3.4
International Internet bandwidth (bits per second per person)	0	8	26
Affordability			
Price basket for residential fixed line (\$ a month)	11.3	10.5	5.7
Price basket for mobile service (\$ a month)	..	10.2	11.2
Price basket for Internet service (\$ a month)	..	28.9	29.2
Price of call to United States (\$ for 3 minutes)	8.98	0.59	2.00
Trade			
ICT goods exports (% of total goods exports)	0.9	0.5	1.4
ICT goods imports (% of total goods imports)	3.4	4.7	6.7
ICT service exports (% of total service exports)	..	0.5	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.24	0.11
Secure Internet servers (per million people)	..	0.2	0.5

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	12	14	1,296
Urban population (% of total)	15	18	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	150	250	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.8	3.3	5.6
Adult literacy rate (% ages 15 and older)	64	72	64
Gross primary, secondary, and tertiary enrollment (%)	69	63	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	3.3	3.3
Mobile and fixed-line subscribers per employee	33	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.3	4.0
Mobile cellular subscriptions (per 100 people)	0.4	7.5	21.5
Internet subscribers (per 100 people)	0.0	0.6	0.8
Personal computers (per 100 people)	0.1	0.2	1.5
Households with a television (%)	1	5	16
Usage			
International voice traffic (minutes per person per month)	0.2	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.0	5.2
Quality			
Population covered by mobile cellular network (%)	20	93	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.9	3.4
International Internet bandwidth (bits per second per person)	0	5	26
Affordability			
Price basket for residential fixed line (\$ a month)	5.8	1.7	5.7
Price basket for mobile service (\$ a month)	..	10.5	11.2
Price basket for Internet service (\$ a month)	..	52.7	29.2
Price of call to United States (\$ for 3 minutes)	4.32	..	2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	1.4
ICT goods imports (% of total goods imports)	4.6	3.8	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22	0.11
Secure Internet servers (per million people)	..	0.1	0.5

Malaysia

	East Asia & Pacific		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	23	27	824
Urban population (% of total)	62	69	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,450	6,420	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.7	5.4	4.3
Adult literacy rate (% ages 15 and older)	89	92	94
Gross primary, secondary, and tertiary enrollment (%)	70	74	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	4.6	3.3
Mobile and fixed-line subscribers per employee	394	571	566
Telecommunications investment (% of revenue)	27.7	22.5	..
Performance			
Access			
Telephone lines (per 100 people)	19.9	16.4	22.6
Mobile cellular subscriptions (per 100 people)	22.0	87.9	84.1
Internet subscribers (per 100 people)	7.1	18.6	9.4
Personal computers (per 100 people)	9.5	23.1	12.4
Households with a television (%)	82	95	92
Usage			
International voice traffic (minutes per person per month)	5.2	..	..
Mobile telephone usage (minutes per user per month)	204	199	137
Internet users (per 100 people)	21.4	55.7	26.6
Quality			
Population covered by mobile cellular network (%)	95	93	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	20.5	47.8
International Internet bandwidth (bits per second per person)	23	998	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	8.5	10.6
Price basket for mobile service (\$ a month)	..	5.5	10.9
Price basket for Internet service (\$ a month)	..	9.3	16.4
Price of call to United States (\$ for 3 minutes)	2.37	0.71	1.55
Trade			
ICT goods exports (% of total goods exports)	56.6	41.5	13.5
ICT goods imports (% of total goods imports)	45.8	36.0	16.2
ICT service exports (% of total service exports)	1.9	4.9	4.6
Applications			
ICT expenditure (% of GDP)	..	6.8	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.68	0.37
Secure Internet servers (per million people)	6.1	27.3	26.2

Maldives

	South Asia		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.27	0.31	3,435
Urban population (% of total)	28	37	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,140	3,190	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	8.5	6.8	8.0
Adult literacy rate (% ages 15 and older)	96	97	83
Gross primary, secondary, and tertiary enrollment (%)	77	66	68
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>M</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	12.7	3.1
Mobile and fixed-line subscribers per employee	60	353	624
Telecommunications investment (% of revenue)	21.6	15.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.0	10.8	15.3
Mobile cellular subscriptions (per 100 people)	2.8	102.7	38.9
Internet subscribers (per 100 people)	0.4	4.0	6.0
Personal computers (per 100 people)	3.7	20.0	4.6
Households with a television (%)	57	..	79
Usage			
International voice traffic (minutes per person per month)	3.9	7.6	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	2.2	10.8	12.4
Quality			
Population covered by mobile cellular network (%)	40	103	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	89.4	40.4
International Internet bandwidth (bits per second per person)	11	4,061	199
Affordability			
Price basket for residential fixed line (\$ a month)	8.8	6.4	7.2
Price basket for mobile service (\$ a month)	..	3.8	9.8
Price basket for Internet service (\$ a month)	..	50.8	16.7
Price of call to United States (\$ for 3 minutes)	11.72	5.86	2.08
Trade			
ICT goods exports (% of total goods exports)	..	0.2	20.6
ICT goods imports (% of total goods imports)	6.1	6.8	20.2
ICT service exports (% of total service exports)	..	0.0	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.29	0.33
Secure Internet servers (per million people)	..	29.0	1.8

Mali

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	12	1,296
Urban population (% of total)	28	32	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	260	500	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.5	5.4	5.6
Adult literacy rate (% ages 15 and older)	19	26	64
Gross primary, secondary, and tertiary enrollment (%)	28	37	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	6.0	3.3
Mobile and fixed-line subscribers per employee	37	1,490	301
Telecommunications investment (% of revenue)	28.1	29.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.6	4.0
Mobile cellular subscriptions (per 100 people)	0.1	20.5	21.5
Internet subscribers (per 100 people)	..	0.1	0.8
Personal computers (per 100 people)	0.1	0.8	1.5
Households with a television (%)	13	15	16
Usage			
International voice traffic (minutes per person per month)	0.6	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.8	5.2
Quality			
Population covered by mobile cellular network (%)	15	22	54
Fixed broadband subscribers (% of total Internet subscribers)	..	45.7	3.4
International Internet bandwidth (bits per second per person)	0	17	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	11.0	5.7
Price basket for mobile service (\$ a month)	..	14.7	11.2
Price basket for Internet service (\$ a month)	..	43.2	29.2
Price of call to United States (\$ for 3 minutes)	12.64	..	2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	1.4
ICT goods imports (% of total goods imports)	3.5	4.2	6.7
ICT service exports (% of total service exports)	6.2	15.7	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.18	0.11
Secure Internet servers (per million people)	0.1	0.6	0.5

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.39	0.41	1,056
Urban population (% of total)	92	94	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,670	16,680	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	1.6	2.4
Adult literacy rate (% ages 15 and older)	..	92	99
Gross primary, secondary, and tertiary enrollment (%)	75	81	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	4.9	3.1
Mobile and fixed-line subscribers per employee	161	290	747
Telecommunications investment (% of revenue)	23.0	24.7	14.3
Performance			
Access			
Telephone lines (per 100 people)	52.4	56.2	50.0
Mobile cellular subscriptions (per 100 people)	29.3	90.8	100.4
Internet subscribers (per 100 people)	8.8	24.4	25.8
Personal computers (per 100 people)	20.5	..	67.4
Households with a television (%)	89	93	98
Usage			
International voice traffic (minutes per person per month)	21.3	18.5	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	13.1	44.7	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	4.8	83.0	82.6
International Internet bandwidth (bits per second per person)	87	5,731	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	17.9	26.1
Price basket for mobile service (\$ a month)	..	14.7	13.0
Price basket for Internet service (\$ a month)	..	8.8	22.8
Price of call to United States (\$ for 3 minutes)	3.41	0.77	0.81
Trade			
ICT goods exports (% of total goods exports)	64.2	51.4	15.2
ICT goods imports (% of total goods imports)	44.9	31.9	14.6
ICT service exports (% of total service exports)	2.5	3.6	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.73	0.60
Secure Internet servers (per million people)	58.5	940.6	662.6

Marshall Islands

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.05	0.06	3,435
Urban population (% of total)	68	71	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,420	3,240	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-3.7	2.8	8.0
Adult literacy rate (% ages 15 and older)	..	..	83
Gross primary, secondary, and tertiary enrollment (%)	73	71	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	5.2	3.1
Mobile and fixed-line subscribers per employee	44	46	624
Telecommunications investment (% of revenue)	..	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	7.8	8.3	15.3
Mobile cellular subscriptions (per 100 people)	0.9	1.2	38.9
Internet subscribers (per 100 people)	0.8	1.3	6.0
Personal computers (per 100 people)	3.9	9.1	4.6
Households with a television (%)	..	..	79
Usage			
International voice traffic (minutes per person per month)	5.8	7.0	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.6	3.9	12.4
Quality			
Population covered by mobile cellular network (%)	..	..	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	10	29	199
Affordability			
Price basket for residential fixed line (\$ a month)	12.5	12.6	7.2
Price basket for mobile service (\$ a month)	..	12.3	9.8
Price basket for Internet service (\$ a month)	..	20.0	16.7
Price of call to United States (\$ for 3 minutes)	..	..	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.33
Secure Internet servers (per million people)	..	33.5	1.8

Mauritania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	1,296
Urban population (% of total)	40	41	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	470	840	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.3	5.1	5.6
Adult literacy rate (% ages 15 and older)	51	56	64
Gross primary, secondary, and tertiary enrollment (%)	43	46	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	7.5	3.3
Mobile and fixed-line subscribers per employee	48	1,272	301
Telecommunications investment (% of revenue)	131.7	48.3	..
Performance			
Access			
Telephone lines (per 100 people)	0.7	1.3	4.0
Mobile cellular subscriptions (per 100 people)	0.6	41.7	21.5
Internet subscribers (per 100 people)	0.0	0.2	0.8
Personal computers (per 100 people)	1.0	4.6	1.5
Households with a television (%)	19	25	16
Usage			
International voice traffic (minutes per person per month)	1.6	0.4	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.0	5.2
Quality			
Population covered by mobile cellular network (%)	..	51	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	69.7	3.4
International Internet bandwidth (bits per second per person)	0	70	26
Affordability			
Price basket for residential fixed line (\$ a month)	14.1	11.9	5.7
Price basket for mobile service (\$ a month)	..	8.9	11.2
Price basket for Internet service (\$ a month)	..	37.3	29.2
Price of call to United States (\$ for 3 minutes)	4.36	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	3.7	2.1	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	0.4	1.6	0.5

Mauritius

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	1	824
Urban population (% of total)	43	42	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,740	5,580	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.5	4.0	4.3
Adult literacy rate (% ages 15 and older)	84	87	94
Gross primary, secondary, and tertiary enrollment (%)	67	75	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	P	C	
Internet service	M	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.6	3.3
Mobile and fixed-line subscribers per employee	251	492	566
Telecommunications investment (% of revenue)	37.6	12.9	..
Performance			
Access			
Telephone lines (per 100 people)	23.7	28.6	22.6
Mobile cellular subscriptions (per 100 people)	15.2	73.7	84.1
Internet subscribers (per 100 people)	2.9	13.2	9.4
Personal computers (per 100 people)	10.1	17.6	12.4
Households with a television (%)	87	96	92
Usage			
International voice traffic (minutes per person per month)	6.0	10.4	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	7.3	27.0	26.6
Quality			
Population covered by mobile cellular network (%)	100	99	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	37.0	47.8
International Internet bandwidth (bits per second per person)	5	226	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	5.2	5.3	10.6
Price basket for mobile service (\$ a month)	..	4.1	10.9
Price basket for Internet service (\$ a month)	..	16.4	16.4
Price of call to United States (\$ for 3 minutes)	4.00	1.59	1.55
Trade			
ICT goods exports (% of total goods exports)	0.8	4.7	13.5
ICT goods imports (% of total goods imports)	6.1	6.1	16.2
ICT service exports (% of total service exports)	1.8	2.8	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.47	0.37
Secure Internet servers (per million people)	10.0	59.9	26.2

Mayotte

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.16	0.19	824
Urban population (% of total)	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.3
Adult literacy rate (% ages 15 and older)	94
Gross primary, secondary, and tertiary enrollment (%)	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3
Mobile and fixed-line subscribers per employee	372	..	566
Telecommunications investment (% of revenue)	0.0	..	..
Performance			
Access			
Telephone lines (per 100 people)	6.2	..	22.6
Mobile cellular subscriptions (per 100 people)	12.7	28.0	84.1
Internet subscribers (per 100 people)	9.4
Personal computers (per 100 people)	12.4
Households with a television (%)	57	..	92
Usage			
International voice traffic (minutes per person per month)
Mobile telephone usage (minutes per user per month)	137
Internet users (per 100 people)	26.6
Quality			
Population covered by mobile cellular network (%)	95
Fixed broadband subscribers (% of total Internet subscribers)	47.8
International Internet bandwidth (bits per second per person)	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	10.6
Price basket for mobile service (\$ a month)	10.9
Price basket for Internet service (\$ a month)	16.4
Price of call to United States (\$ for 3 minutes)	1.55
Trade			
ICT goods exports (% of total goods exports)	13.5
ICT goods imports (% of total goods imports)	16.2
ICT service exports (% of total service exports)	4.6
Applications			
ICT expenditure (% of GDP)	5.2
E-gov't Web measure index (0-1, 1=highest presence)	0.37
Secure Internet servers (per million people)	26.2

Mexico

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	98	105	824
Urban population (% of total)	75	77	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,110	9,400	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.4	2.6	4.3
Adult literacy rate (% ages 15 and older)	91	93	94
Gross primary, secondary, and tertiary enrollment (%)	71	76	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.8	3.3
Mobile and fixed-line subscribers per employee	375	789	566
Telecommunications investment (% of revenue)	41.5	11.2	..
Performance			
Access			
Telephone lines (per 100 people)	12.6	18.8	22.6
Mobile cellular subscriptions (per 100 people)	14.4	63.2	84.1
Internet subscribers (per 100 people)	1.2	5.5	9.4
Personal computers (per 100 people)	5.8	14.4	12.4
Households with a television (%)	90	98	92
Usage			
International voice traffic (minutes per person per month)	6.6	15.4	..
Mobile telephone usage (minutes per user per month)	83	164	137
Internet users (per 100 people)	5.2	22.7	26.6
Quality			
Population covered by mobile cellular network (%)	86	100	95
Fixed broadband subscribers (% of total Internet subscribers)	1.3	77.9	47.8
International Internet bandwidth (bits per second per person)	9	178	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	17.5	16.1	10.6
Price basket for mobile service (\$ a month)	..	13.9	10.9
Price basket for Internet service (\$ a month)	..	20.0	16.4
Price of call to United States (\$ for 3 minutes)	3.01	0.83	1.55
Trade			
ICT goods exports (% of total goods exports)	23.0	19.6	13.5
ICT goods imports (% of total goods imports)	20.8	14.9	16.2
ICT service exports (% of total service exports)	8.8	2.3	4.6
Applications			
ICT expenditure (% of GDP)	..	4.0	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.71	0.37
Secure Internet servers (per million people)	2.6	15.7	26.2

Micronesia, Fed. Sts.

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.11	0.11	3,435
Urban population (% of total)	22	22	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,150	2,280	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-1.4	-0.7	8.0
Adult literacy rate (% ages 15 and older)	..	..	83
Gross primary, secondary, and tertiary enrollment (%)	..	..	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	5.6	3.1
Mobile and fixed-line subscribers per employee	74	238	624
Telecommunications investment (% of revenue)	4.9	13.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.0	7.8	15.3
Mobile cellular subscriptions (per 100 people)	0.0	24.7	38.9
Internet subscribers (per 100 people)	1.4	1.2	6.0
Personal computers (per 100 people)	1.3	5.5	4.6
Households with a television (%)	14	16	79
Usage			
International voice traffic (minutes per person per month)	5.2	6.7	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	3.7	13.5	12.4
Quality			
Population covered by mobile cellular network (%)	0	..	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	2.0	40.4
International Internet bandwidth (bits per second per person)	10	143	199
Affordability			
Price basket for residential fixed line (\$ a month)	8.4	8.4	7.2
Price basket for mobile service (\$ a month)	..	4.9	9.8
Price basket for Internet service (\$ a month)	..	..	16.7
Price of call to United States (\$ for 3 minutes)	7.50	6.00	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.08	0.33
Secure Internet servers (per million people)	..	18.0	1.8

Moldova

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	3,435
Urban population (% of total)	45	42	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	370	1,210	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-2.6	6.5	8.0
Adult literacy rate (% ages 15 and older)	..	99	83
Gross primary, secondary, and tertiary enrollment (%)	71	70	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	10.1	3.1
Mobile and fixed-line subscribers per employee	97	294	624
Telecommunications investment (% of revenue)	67.9	35.7	25.3
Performance			
Access			
Telephone lines (per 100 people)	14.1	28.4	15.3
Mobile cellular subscriptions (per 100 people)	3.4	49.5	38.9
Internet subscribers (per 100 people)	0.3	2.9	6.0
Personal computers (per 100 people)	1.5	11.1	4.6
Households with a television (%)	82	74	79
Usage			
International voice traffic (minutes per person per month)	3.3	12.4	..
Mobile telephone usage (minutes per user per month)	..	97	322
Internet users (per 100 people)	1.3	18.4	12.4
Quality			
Population covered by mobile cellular network (%)	70	98	80
Fixed broadband subscribers (% of total Internet subscribers)	2.3	42.8	40.4
International Internet bandwidth (bits per second per person)	2	931	199
Affordability			
Price basket for residential fixed line (\$ a month)	2.2	5.3	7.2
Price basket for mobile service (\$ a month)	..	17.1	9.8
Price basket for Internet service (\$ a month)	..	22.8	16.7
Price of call to United States (\$ for 3 minutes)	4.10	1.46	2.08
Trade			
ICT goods exports (% of total goods exports)	1.6	2.6	20.6
ICT goods imports (% of total goods imports)	5.5	4.3	20.2
ICT service exports (% of total service exports)	10.5	15.4	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.31	0.33
Secure Internet servers (per million people)	0.7	7.4	1.8

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	..	0.03	1,056
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.4
Adult literacy rate (% ages 15 and older)	99
Gross primary, secondary, and tertiary enrollment (%)	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1
Mobile and fixed-line subscribers per employee	747
Telecommunications investment (% of revenue)	14.3
Performance			
Access			
Telephone lines (per 100 people)	..	104.9	50.0
Mobile cellular subscriptions (per 100 people)	..	56.0	100.4
Internet subscribers (per 100 people)	25.8
Personal computers (per 100 people)	67.4
Households with a television (%)	98
Usage			
International voice traffic (minutes per person per month)	14.0
Mobile telephone usage (minutes per user per month)	353
Internet users (per 100 people)	..	61.2	65.7
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband subscribers (% of total Internet subscribers)	82.6
International Internet bandwidth (bits per second per person)	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	26.1
Price basket for mobile service (\$ a month)	13.0
Price basket for Internet service (\$ a month)	22.8
Price of call to United States (\$ for 3 minutes)	0.81
Trade			
ICT goods exports (% of total goods exports)	15.2
ICT goods imports (% of total goods imports)	14.6
ICT service exports (% of total service exports)	7.0
Applications			
ICT expenditure (% of GDP)	6.7
E-gov't Web measure index (0-1, 1=highest presence)	..	0.38	0.60
Secure Internet servers (per million people)	..	1,524.4	662.6

Mongolia

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	3	3,435
Urban population (% of total)	57	57	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	410	1,290	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.0	7.5	8.0
Adult literacy rate (% ages 15 and older)	98	97	83
Gross primary, secondary, and tertiary enrollment (%)	64	77	68
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	3.9	3.1
Mobile and fixed-line subscribers per employee	60	190	624
Telecommunications investment (% of revenue)	4.7	20.1	25.3
Performance			
Access			
Telephone lines (per 100 people)	4.9	6.1	15.3
Mobile cellular subscriptions (per 100 people)	6.4	30.0	38.9
Internet subscribers (per 100 people)	0.3	2.7	6.0
Personal computers (per 100 people)	1.3	13.9	4.6
Households with a television (%)	28	33	79
Usage			
International voice traffic (minutes per person per month)	0.8	0.4	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.3	12.3	12.4
Quality			
Population covered by mobile cellular network (%)	58	41	80
Fixed broadband subscribers (% of total Internet subscribers)	0.5	4.9	40.4
International Internet bandwidth (bits per second per person)	3	116	199
Affordability			
Price basket for residential fixed line (\$ a month)	2.6	1.6	7.2
Price basket for mobile service (\$ a month)	..	5.4	9.8
Price basket for Internet service (\$ a month)	..	10.6	16.7
Price of call to United States (\$ for 3 minutes)	4.92	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	20.6
ICT goods imports (% of total goods imports)	6.8	5.9	20.2
ICT service exports (% of total service exports)	3.9	3.7	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.42	0.33
Secure Internet servers (per million people)	0.4	8.7	1.8

Montenegro

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.67	0.60	824
Urban population (% of total)	59	61	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,840	5,270	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-1.6	4.5	4.3
Adult literacy rate (% ages 15 and older)	94
Gross primary, secondary, and tertiary enrollment (%)	82
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	..	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	C	
Mobile telephone service	..	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3
Mobile and fixed-line subscribers per employee	566
Telecommunications investment (% of revenue)
Performance			
Access			
Telephone lines (per 100 people)	..	58.8	22.6
Mobile cellular subscriptions (per 100 people)	..	107.1	84.1
Internet subscribers (per 100 people)	..	14.8	9.4
Personal computers (per 100 people)	12.4
Households with a television (%)	92
Usage			
International voice traffic (minutes per person per month)	..	6.9	..
Mobile telephone usage (minutes per user per month)	..	126	137
Internet users (per 100 people)	..	46.7	26.6
Quality			
Population covered by mobile cellular network (%)	..	99	95
Fixed broadband subscribers (% of total Internet subscribers)	..	29.1	47.8
International Internet bandwidth (bits per second per person)	..	1,248	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	10.6
Price basket for mobile service (\$ a month)	..	47.2	10.9
Price basket for Internet service (\$ a month)	..	7.8	16.4
Price of call to United States (\$ for 3 minutes)	1.55
Trade			
ICT goods exports (% of total goods exports)	13.5
ICT goods imports (% of total goods imports)	16.2
ICT service exports (% of total service exports)	4.6
Applications			
ICT expenditure (% of GDP)	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.37	0.37
Secure Internet servers (per million people)	26.2

Morocco

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	28	31	3,435
Urban population (% of total)	53	56	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,340	2,290	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.4	5.0	8.0
Adult literacy rate (% ages 15 and older)	..	56	83
Gross primary, secondary, and tertiary enrollment (%)	51	58	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	4.8	3.1
Mobile and fixed-line subscribers per employee	260	821	624
Telecommunications investment (% of revenue)	50.7	17.9	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.0	7.8	15.3
Mobile cellular subscriptions (per 100 people)	8.2	64.9	38.9
Internet subscribers (per 100 people)	0.1	1.6	6.0
Personal computers (per 100 people)	1.2	3.6	4.6
Households with a television (%)	77	78	79
Usage			
International voice traffic (minutes per person per month)	..	1.9	..
Mobile telephone usage (minutes per user per month)	..	49	322
Internet users (per 100 people)	0.7	21.4	12.4
Quality			
Population covered by mobile cellular network (%)	95	98	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	98.8	40.4
International Internet bandwidth (bits per second per person)	4	814	199
Affordability			
Price basket for residential fixed line (\$ a month)	12.9	22.3	7.2
Price basket for mobile service (\$ a month)	..	19.8	9.8
Price basket for Internet service (\$ a month)	..	15.6	16.7
Price of call to United States (\$ for 3 minutes)	2.03	1.69	2.08
Trade			
ICT goods exports (% of total goods exports)	7.4	5.7	20.6
ICT goods imports (% of total goods imports)	6.9	6.7	20.2
ICT service exports (% of total service exports)	3.7	3.3	15.6
Applications			
ICT expenditure (% of GDP)	..	8.3	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.21	0.33
Secure Internet servers (per million people)	0.2	1.4	1.8

Mozambique

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	18	21	1,296
Urban population (% of total)	31	36	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	230	330	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	8.1	8.1	5.6
Adult literacy rate (% ages 15 and older)	..	44	64
Gross primary, secondary, and tertiary enrollment (%)	37	53	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	1.2	3.3
Mobile and fixed-line subscribers per employee	60	980	301
Telecommunications investment (% of revenue)	49.6	24.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.3	4.0
Mobile cellular subscriptions (per 100 people)	0.3	15.4	21.5
Internet subscribers (per 100 people)	0.0	..	0.8
Personal computers (per 100 people)	0.3	1.4	1.5
Households with a television (%)	4	9	16
Usage			
International voice traffic (minutes per person per month)	3.0	1.1	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.9	5.2
Quality			
Population covered by mobile cellular network (%)	..	44	54
Fixed broadband subscribers (% of total Internet subscribers)	..	..	3.4
International Internet bandwidth (bits per second per person)	0	3	26
Affordability			
Price basket for residential fixed line (\$ a month)	14.6	13.9	5.7
Price basket for mobile service (\$ a month)	..	8.9	11.2
Price basket for Internet service (\$ a month)	..	34.4	29.2
Price of call to United States (\$ for 3 minutes)	6.21	1.17	2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	1.4
ICT goods imports (% of total goods imports)	5.9	5.1	6.7
ICT service exports (% of total service exports)	3.2	5.0	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Myanmar

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	46	49	1,296
Urban population (% of total)	28	32	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	7.6	9.2	5.6
Adult literacy rate (% ages 15 and older)	90	..	64
Gross primary, secondary, and tertiary enrollment (%)	47	50	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>M</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.2	0.6	3.3
Mobile and fixed-line subscribers per employee	37	81	301
Telecommunications investment (% of revenue)	25.3	8.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	0.4	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	0.2	0.9	1.5
Households with a television (%)	3	3	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.1	5.2
Quality			
Population covered by mobile cellular network (%)	..	10	54
Fixed broadband subscribers (% of total Internet subscribers)	..	10.6	3.4
International Internet bandwidth (bits per second per person)	0	2	26
Affordability			
Price basket for residential fixed line (\$ a month)	0.6	1.3	5.7
Price basket for mobile service (\$ a month)	..	141.6	11.2
Price basket for Internet service (\$ a month)	..	46.3	29.2
Price of call to United States (\$ for 3 minutes)	0.44	0.17	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.11	0.11
Secure Internet servers (per million people)	..	0.0	0.5

Namibia

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	2	3,435
Urban population (% of total)	32	36	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,880	3,450	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.5	4.8	8.0
Adult literacy rate (% ages 15 and older)	85	88	83
Gross primary, secondary, and tertiary enrollment (%)	68	65	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>M</i>	P	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	4.8	3.1
Mobile and fixed-line subscribers per employee	115	435	624
Telecommunications investment (% of revenue)	29.6	7.5	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.9	6.6	15.3
Mobile cellular subscriptions (per 100 people)	4.4	38.5	38.9
Internet subscribers (per 100 people)	0.5	4.3	6.0
Personal computers (per 100 people)	4.0	24.0	4.6
Households with a television (%)	37	41	79
Usage			
International voice traffic (minutes per person per month)	5.0	..	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.6	4.9	12.4
Quality			
Population covered by mobile cellular network (%)	85	95	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.3	40.4
International Internet bandwidth (bits per second per person)	2	27	199
Affordability			
Price basket for residential fixed line (\$ a month)	..	13.0	7.2
Price basket for mobile service (\$ a month)	..	13.1	9.8
Price basket for Internet service (\$ a month)	..	55.8	16.7
Price of call to United States (\$ for 3 minutes)	4.28	..	2.08
Trade			
ICT goods exports (% of total goods exports)	1.0	0.5	20.6
ICT goods imports (% of total goods imports)	8.3	7.3	20.2
ICT service exports (% of total service exports)	2.7	2.7	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.33
Secure Internet servers (per million people)	1.6	8.5	1.8

Nepal

South Asia

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	24	28	1,296
Urban population (% of total)	13	17	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	220	350	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.6	3.4	5.6
Adult literacy rate (% ages 15 and older)	49	57	64
Gross primary, secondary, and tertiary enrollment (%)	56	58	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.3	1.0	3.3
Mobile and fixed-line subscribers per employee	60	565	301
Telecommunications investment (% of revenue)	26.7	26.7	..
Performance			
Access			
Telephone lines (per 100 people)	1.1	2.5	4.0
Mobile cellular subscriptions (per 100 people)	0.0	11.6	21.5
Internet subscribers (per 100 people)	0.0	0.3	0.8
Personal computers (per 100 people)	0.3	0.5	1.5
Households with a television (%)	3	13	16
Usage			
International voice traffic (minutes per person per month)	0.2	0.5	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.4	5.2
Quality			
Population covered by mobile cellular network (%)	..	10	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	12.5	3.4
International Internet bandwidth (bits per second per person)	0	5	26
Affordability			
Price basket for residential fixed line (\$ a month)	2.6	3.1	5.7
Price basket for mobile service (\$ a month)	..	2.1	11.2
Price basket for Internet service (\$ a month)	..	8.0	29.2
Price of call to United States (\$ for 3 minutes)	5.28	2.04	2.00
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	1.4
ICT goods imports (% of total goods imports)	3.2	5.4	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.11
Secure Internet servers (per million people)	..	0.9	0.5

Netherlands

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	16	16	1,056
Urban population (% of total)	77	81	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	26,580	45,650	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.1	1.6	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	99	98	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	..	3.1
Mobile and fixed-line subscribers per employee	353	..	747
Telecommunications investment (% of revenue)	21.6	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	62.1	44.8	50.0
Mobile cellular subscriptions (per 100 people)	67.5	117.7	100.4
Internet subscribers (per 100 people)	37.1	36.5	25.8
Personal computers (per 100 people)	39.6	91.2	67.4
Households with a television (%)	96	99	98
Usage			
International voice traffic (minutes per person per month)	25.9	..	14.0
Mobile telephone usage (minutes per user per month)	113	135	353
Internet users (per 100 people)	44.0	84.2	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	4.4	87.0	82.6
International Internet bandwidth (bits per second per person)	4,275	78,159	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	30.3	26.1
Price basket for mobile service (\$ a month)	..	12.0	13.0
Price basket for Internet service (\$ a month)	..	31.0	22.8
Price of call to United States (\$ for 3 minutes)	0.56	0.32	0.81
Trade			
ICT goods exports (% of total goods exports)	22.9	18.9	15.2
ICT goods imports (% of total goods imports)	24.1	19.8	14.6
ICT service exports (% of total service exports)	5.3	11.0	7.0
Applications			
ICT expenditure (% of GDP)	..	6.6	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.79	0.60
Secure Internet servers (per million people)	49.7	1,105.2	662.6

Netherlands Antilles

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.18	0.19	1,056
Urban population (% of total)	90	92	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	96	99
Gross primary, secondary, and tertiary enrollment (%)	95	88	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	44.3	..	50.0
Mobile cellular subscriptions (per 100 people)	16.5	108.6	100.4
Internet subscribers (per 100 people)	..	..	25.8
Personal computers (per 100 people)	..	..	67.4
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	1.1	..	65.7
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband subscribers (% of total Internet subscribers)	..	..	82.6
International Internet bandwidth (bits per second per person)	..	..	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	19.9	26.1
Price basket for mobile service (\$ a month)	..	21.9	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	1.2	0.9	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	166.3	711.9	662.6

New Caledonia

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.21	0.24	1,056
Urban population (% of total)	62	64	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,020	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.2	..	2.4
Adult literacy rate (% ages 15 and older)	..	96	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	..	3.1
Mobile and fixed-line subscribers per employee	345	637	747
Telecommunications investment (% of revenue)	43.5	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	23.9	24.8	50.0
Mobile cellular subscriptions (per 100 people)	23.4	72.8	100.4
Internet subscribers (per 100 people)	4.2	8.9	25.8
Personal computers (per 100 people)	6.4	17.1	67.4
Households with a television (%)	77	79	98
Usage			
International voice traffic (minutes per person per month)	15.2	17.9	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	14.1	33.5	65.7
Quality			
Population covered by mobile cellular network (%)	85	90	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	94.4	82.6
International Internet bandwidth (bits per second per person)	9	1,650	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	27.9	35.4	26.1
Price basket for mobile service (\$ a month)	..	8.3	13.0
Price basket for Internet service (\$ a month)	..	80.3	22.8
Price of call to United States (\$ for 3 minutes)	3.43	3.13	0.81
Trade			
ICT goods exports (% of total goods exports)	0.5	0.2	15.2
ICT goods imports (% of total goods imports)	6.2	4.0	14.6
ICT service exports (% of total service exports)	1.6	0.4	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	32.2	101.4	662.6

New Zealand

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	1,056
Urban population (% of total)	86	86	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	13,460	27,080	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.5	3.4	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	99	108	92
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	3.0	3.1
Mobile and fixed-line subscribers per employee	630	598	747
Telecommunications investment (% of revenue)	16.2	19.9	14.3
Performance			
Access			
Telephone lines (per 100 people)	47.5	41.3	50.0
Mobile cellular subscriptions (per 100 people)	40.0	100.5	100.4
Internet subscribers (per 100 people)	13.0	34.3	25.8
Personal computers (per 100 people)	35.8	52.6	67.4
Households with a television (%)	98	99	98
Usage			
International voice traffic (minutes per person per month)	30.8	25.8	14.0
Mobile telephone usage (minutes per user per month)	87	74	353
Internet users (per 100 people)	47.5	69.2	65.7
Quality			
Population covered by mobile cellular network (%)	97	98	99
Fixed broadband subscribers (% of total Internet subscribers)	0.9	58.9	82.6
International Internet bandwidth (bits per second per person)	65	4,544	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	17.0	28.6	26.1
Price basket for mobile service (\$ a month)	..	13.0	13.0
Price basket for Internet service (\$ a month)	..	7.3	22.8
Price of call to United States (\$ for 3 minutes)	0.80	1.30	0.81
Trade			
ICT goods exports (% of total goods exports)	2.2	2.3	15.2
ICT goods imports (% of total goods imports)	12.6	9.7	14.6
ICT service exports (% of total service exports)	6.2	5.4	7.0
Applications			
ICT expenditure (% of GDP)	..	5.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.64	0.60
Secure Internet servers (per million people)	156.9	980.2	662.6

Nicaragua

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	3,435
Urban population (% of total)	55	56	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	990	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.0	3.4	8.0
Adult literacy rate (% ages 15 and older)	77	78	83
Gross primary, secondary, and tertiary enrollment (%)	70	71	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.7	3.1
Mobile and fixed-line subscribers per employee	114	334	624
Telecommunications investment (% of revenue)	5.9	24.0	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.2	4.5	15.3
Mobile cellular subscriptions (per 100 people)	1.8	37.9	38.9
Internet subscribers (per 100 people)	0.3	0.4	6.0
Personal computers (per 100 people)	2.3	4.0	4.6
Households with a television (%)	59	60	79
Usage			
International voice traffic (minutes per person per month)	2.9	5.4	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.0	2.8	12.4
Quality			
Population covered by mobile cellular network (%)	..	70	80
Fixed broadband subscribers (% of total Internet subscribers)	4.5	80.6	40.4
International Internet bandwidth (bits per second per person)	1	144	199
Affordability			
Price basket for residential fixed line (\$ a month)	17.7	9.2	7.2
Price basket for mobile service (\$ a month)	..	15.1	9.8
Price basket for Internet service (\$ a month)	..	26.6	16.7
Price of call to United States (\$ for 3 minutes)	3.20	3.15	2.08
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	20.6
ICT goods imports (% of total goods imports)	4.1	7.3	20.2
ICT service exports (% of total service exports)	11.3	8.2	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.29	0.33
Secure Internet servers (per million people)	1.2	6.7	1.8

Niger

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	11	14	1,296
Urban population (% of total)	16	16	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	280	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.4	3.9	5.6
Adult literacy rate (% ages 15 and older)	9	29	64
Gross primary, secondary, and tertiary enrollment (%)	15	23	51
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9	2.2	3.3
Mobile and fixed-line subscribers per employee	16	328	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.2	4.0
Mobile cellular subscriptions (per 100 people)	0.0	6.3	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	0.0	0.1	1.5
Households with a television (%)	5	7	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.3	5.2
Quality			
Population covered by mobile cellular network (%)	13	45	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	5.9	3.4
International Internet bandwidth (bits per second per person)	0	2	26
Affordability			
Price basket for residential fixed line (\$ a month)	9.4	12.6	5.7
Price basket for mobile service (\$ a month)	..	15.0	11.2
Price basket for Internet service (\$ a month)	..	84.5	29.2
Price of call to United States (\$ for 3 minutes)	9.03	..	2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	1.4
ICT goods imports (% of total goods imports)	2.0	4.4	6.7
ICT service exports (% of total service exports)	0.5	32.8	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.07	0.11
Secure Internet servers (per million people)	..	0.3	0.5

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	125	148	1,296
Urban population (% of total)	43	48	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	920	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.7	6.6	5.6
Adult literacy rate (% ages 15 and older)	..	72	64
Gross primary, secondary, and tertiary enrollment (%)	49	56	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	3.1	3.3
Mobile and fixed-line subscribers per employee	50	256	301
Telecommunications investment (% of revenue)	37.2	0.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	27.3	21.5
Internet subscribers (per 100 people)	0.0	1.4	0.8
Personal computers (per 100 people)	0.6	0.8	1.5
Households with a television (%)	26	26	16
Usage			
International voice traffic (minutes per person per month)	0.2	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	6.8	5.2
Quality			
Population covered by mobile cellular network (%)	38	60	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	5	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	7.4	5.7
Price basket for mobile service (\$ a month)	..	16.3	11.2
Price basket for Internet service (\$ a month)	..	40.8	29.2
Price of call to United States (\$ for 3 minutes)	7.15	1.49	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	1.4
ICT goods imports (% of total goods imports)	3.4	6.9	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	3.4	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.22	0.11
Secure Internet servers (per million people)	0.0	0.8	0.5

Northern Mariana Islands

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	..	0.08	1,056
Urban population (% of total)	90	91	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.4
Adult literacy rate (% ages 15 and older)	99
Gross primary, secondary, and tertiary enrollment (%)	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1
Mobile and fixed-line subscribers per employee	747
Telecommunications investment (% of revenue)	14.3
Performance			
Access			
Telephone lines (per 100 people)	50.0
Mobile cellular subscriptions (per 100 people)	..	26.2	100.4
Internet subscribers (per 100 people)	25.8
Personal computers (per 100 people)	67.4
Households with a television (%)	98
Usage			
International voice traffic (minutes per person per month)	14.0
Mobile telephone usage (minutes per user per month)	353
Internet users (per 100 people)	65.7
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband subscribers (% of total Internet subscribers)	82.6
International Internet bandwidth (bits per second per person)	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	26.1
Price basket for mobile service (\$ a month)	13.0
Price basket for Internet service (\$ a month)	22.8
Price of call to United States (\$ for 3 minutes)	0.81
Trade			
ICT goods exports (% of total goods exports)	15.2
ICT goods imports (% of total goods imports)	14.6
ICT service exports (% of total service exports)	7.0
Applications			
ICT expenditure (% of GDP)	6.7
E-gov't Web measure index (0–1, 1=highest presence)	0.60
Secure Internet servers (per million people)	..	59.7	662.6

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	5	1,056
Urban population (% of total)	76	77	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	35,870	77,370	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.6	2.4	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	98	99	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	1.4	3.1
Mobile and fixed-line subscribers per employee	251	445	747
Telecommunications investment (% of revenue)	89.3	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	53.5	42.3	50.0
Mobile cellular subscriptions (per 100 people)	71.8	110.2	100.4
Internet subscribers (per 100 people)	26.2	34.1	25.8
Personal computers (per 100 people)	49.0	62.9	67.4
Households with a television (%)	97	97	98
Usage			
International voice traffic (minutes per person per month)	17.7	16.1	14.0
Mobile telephone usage (minutes per user per month)	163	232	353
Internet users (per 100 people)	26.7	84.8	65.7
Quality			
Population covered by mobile cellular network (%)	96	..	99
Fixed broadband subscribers (% of total Internet subscribers)	2.0	89.6	82.6
International Internet bandwidth (bits per second per person)	875	26,904	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	25.4	37.9	26.1
Price basket for mobile service (\$ a month)	..	15.8	13.0
Price basket for Internet service (\$ a month)	..	34.6	22.8
Price of call to United States (\$ for 3 minutes)	0.40	..	0.81
Trade			
ICT goods exports (% of total goods exports)	2.4	1.8	15.2
ICT goods imports (% of total goods imports)	10.6	9.7	14.6
ICT service exports (% of total service exports)	5.4	4.2	7.0
Applications			
ICT expenditure (% of GDP)	..	4.4	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.95	0.60
Secure Internet servers (per million people)	81.8	845.0	662.6

Oman

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	3	1,056
Urban population (% of total)	72	72	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,720	12,860	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.2	4.7	2.4
Adult literacy rate (% ages 15 and older)	..	84	99
Gross primary, secondary, and tertiary enrollment (%)	68	67	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	M	
Mobile telephone service	M	P	
Internet service	..	M	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.7	3.1
Mobile and fixed-line subscribers per employee	186	858	747
Telecommunications investment (% of revenue)	19.0	63.9	14.3
Performance			
Access			
Telephone lines (per 100 people)	9.2	10.3	50.0
Mobile cellular subscriptions (per 100 people)	6.7	96.2	100.4
Internet subscribers (per 100 people)	1.0	2.7	25.8
Personal computers (per 100 people)	3.3	7.1	67.4
Households with a television (%)	79	79	98
Usage			
International voice traffic (minutes per person per month)	9.2	3.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	3.7	13.1	65.7
Quality			
Population covered by mobile cellular network (%)	91	96	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	28.9	82.6
International Internet bandwidth (bits per second per person)	16	142	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	13.1	8.9	26.1
Price basket for mobile service (\$ a month)	..	5.5	13.0
Price basket for Internet service (\$ a month)	..	14.5	22.8
Price of call to United States (\$ for 3 minutes)	7.89	1.87	0.81
Trade			
ICT goods exports (% of total goods exports)	0.6	0.8	15.2
ICT goods imports (% of total goods imports)	3.7	3.8	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.60
Secure Internet servers (per million people)	0.8	12.1	662.6

Pakistan

South Asia

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	138	162	1,296
Urban population (% of total)	33	36	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	490	860	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	5.6	5.6
Adult literacy rate (% ages 15 and older)	43	54	64
Gross primary, secondary, and tertiary enrollment (%)	37	40	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	2.7	3.3
Mobile and fixed-line subscribers per employee	50	50	301
Telecommunications investment (% of revenue)	19.5	1.7	..
Performance			
Access			
Telephone lines (per 100 people)	2.2	3.0	4.0
Mobile cellular subscriptions (per 100 people)	0.2	38.7	21.5
Internet subscribers (per 100 people)	0.1	2.2	0.8
Personal computers (per 100 people)	0.4	..	1.5
Households with a television (%)	37	47	16
Usage			
International voice traffic (minutes per person per month)	0.6	0.9	..
Mobile telephone usage (minutes per user per month)	..	154	..
Internet users (per 100 people)	1.4	10.8	5.2
Quality			
Population covered by mobile cellular network (%)	27	90	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.3	3.4
International Internet bandwidth (bits per second per person)	0	44	26
Affordability			
Price basket for residential fixed line (\$ a month)	6.9	4.1	5.7
Price basket for mobile service (\$ a month)	..	2.4	11.2
Price basket for Internet service (\$ a month)	..	9.4	29.2
Price of call to United States (\$ for 3 minutes)	3.60	1.03	2.00
Trade			
ICT goods exports (% of total goods exports)	..	0.5	1.4
ICT goods imports (% of total goods imports)	..	7.2	6.7
ICT service exports (% of total service exports)	15.4	6.8	..
Applications			
ICT expenditure (% of GDP)	..	5.6	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.42	0.11
Secure Internet servers (per million people)	0.0	0.5	0.5

Palau

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.02	0.02	824
Urban population (% of total)	70	79	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,260	8,270	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.2	1.9	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	87	97	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	5.6	3.3
Mobile and fixed-line subscribers per employee	..	170	566
Telecommunications investment (% of revenue)	..	32.5	..
Performance			
Access			
Telephone lines (per 100 people)	34.7	37.0	22.6
Mobile cellular subscriptions (per 100 people)	12.3	53.0	84.1
Internet subscribers (per 100 people)	5.2	5.8	9.4
Personal computers (per 100 people)	..	..	12.4
Households with a television (%)	..	..	92
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	20.0	27.3	26.6
Quality			
Population covered by mobile cellular network (%)	..	41	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	8.0	47.8
International Internet bandwidth (bits per second per person)	150	499	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	10.6
Price basket for mobile service (\$ a month)	..	..	10.9
Price basket for Internet service (\$ a month)	..	..	16.4
Price of call to United States (\$ for 3 minutes)	..	..	1.55
Trade			
ICT goods exports (% of total goods exports)	..	..	13.5
ICT goods imports (% of total goods imports)	..	..	16.2
ICT service exports (% of total service exports)	..	..	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.37
Secure Internet servers (per million people)	51.0	50.5	26.2

Panama

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	824
Urban population (% of total)	66	72	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,740	5,500	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.0	6.0	4.3
Adult literacy rate (% ages 15 and older)	92	93	94
Gross primary, secondary, and tertiary enrollment (%)	76	80	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.5	3.3
Mobile and fixed-line subscribers per employee	153	229	566
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	14.5	14.8	22.6
Mobile cellular subscriptions (per 100 people)	13.9	90.1	84.1
Internet subscribers (per 100 people)	1.5	5.0	9.4
Personal computers (per 100 people)	3.6	4.6	12.4
Households with a television (%)	78	87	92
Usage			
International voice traffic (minutes per person per month)	4.6	5.5	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	6.6	22.3	26.6
Quality			
Population covered by mobile cellular network (%)	74	81	95
Fixed broadband subscribers (% of total Internet subscribers)	16.0	86.9	47.8
International Internet bandwidth (bits per second per person)	112	15,977	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	10.3	10.6
Price basket for mobile service (\$ a month)	..	16.7	10.9
Price basket for Internet service (\$ a month)	..	38.5	16.4
Price of call to United States (\$ for 3 minutes)	4.36	..	1.55
Trade			
ICT goods exports (% of total goods exports)	0.4	0.0	13.5
ICT goods imports (% of total goods imports)	8.2	6.7	16.2
ICT service exports (% of total service exports)	..	4.6	4.6
Applications			
ICT expenditure (% of GDP)	..	5.9	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.41	0.37
Secure Internet servers (per million people)	9.6	86.9	26.2

Papua New Guinea

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	1,296
Urban population (% of total)	13	13	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	850	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.8	2.3	5.6
Adult literacy rate (% ages 15 and older)	57	58	64
Gross primary, secondary, and tertiary enrollment (%)	41	41	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>P</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	..	3.3
Mobile and fixed-line subscribers per employee	41	..	301
Telecommunications investment (% of revenue)	82.6	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.2	0.9	4.0
Mobile cellular subscriptions (per 100 people)	0.2	4.7	21.5
Internet subscribers (per 100 people)	0.5	..	0.8
Personal computers (per 100 people)	5.2	6.4	1.5
Households with a television (%)	8	10	16
Usage			
International voice traffic (minutes per person per month)	0.7	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.8	1.8	5.2
Quality			
Population covered by mobile cellular network (%)	..	..	54
Fixed broadband subscribers (% of total Internet subscribers)	..	..	3.4
International Internet bandwidth (bits per second per person)	1	1	26
Affordability			
Price basket for residential fixed line (\$ a month)	20.1	4.9	5.7
Price basket for mobile service (\$ a month)	..	14.6	11.2
Price basket for Internet service (\$ a month)	..	25.1	29.2
Price of call to United States (\$ for 3 minutes)	4.32	..	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	3.6	4.1	6.7
ICT service exports (% of total service exports)	..	2.2	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.09	0.11
Secure Internet servers (per million people)	..	1.1	0.5

Paraguay

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	3,435
Urban population (% of total)	55	60	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,350	1,710	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.1	3.3	8.0
Adult literacy rate (% ages 15 and older)	..	95	83
Gross primary, secondary, and tertiary enrollment (%)	70	69	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>C</i>	C	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.8	3.1
Mobile and fixed-line subscribers per employee	123	799	624
Telecommunications investment (% of revenue)	26.3	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.3	6.4	15.3
Mobile cellular subscriptions (per 100 people)	15.4	76.7	38.9
Internet subscribers (per 100 people)	0.5	1.2	6.0
Personal computers (per 100 people)	1.3	7.8	4.6
Households with a television (%)	75	79	79
Usage			
International voice traffic (minutes per person per month)	1.6	2.9	..
Mobile telephone usage (minutes per user per month)	62	231	322
Internet users (per 100 people)	0.7	8.7	12.4
Quality			
Population covered by mobile cellular network (%)	..	..	80
Fixed broadband subscribers (% of total Internet subscribers)	0.5	69.4	40.4
International Internet bandwidth (bits per second per person)	2	163	199
Affordability			
Price basket for residential fixed line (\$ a month)	18.0	6.4	7.2
Price basket for mobile service (\$ a month)	..	3.4	9.8
Price basket for Internet service (\$ a month)	..	12.5	16.7
Price of call to United States (\$ for 3 minutes)	0.97	0.90	2.08
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	20.6
ICT goods imports (% of total goods imports)	11.1	28.6	20.2
ICT service exports (% of total service exports)	1.8	2.2	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.44	0.33
Secure Internet servers (per million people)	0.7	5.6	1.8

Peru

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	26	28	3,435
Urban population (% of total)	71	71	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,080	3,410	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.4	5.4	8.0
Adult literacy rate (% ages 15 and older)	..	90	83
Gross primary, secondary, and tertiary enrollment (%)	88	86	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.9	3.1
Mobile and fixed-line subscribers per employee	473	624	624
Telecommunications investment (% of revenue)	22.2	16.6	25.3
Performance			
Access			
Telephone lines (per 100 people)	6.7	9.6	15.3
Mobile cellular subscriptions (per 100 people)	5.0	55.3	38.9
Internet subscribers (per 100 people)	0.5	3.7	6.0
Personal computers (per 100 people)	4.1	10.3	4.6
Households with a television (%)	67	73	79
Usage			
International voice traffic (minutes per person per month)	1.8	8.3	..
Mobile telephone usage (minutes per user per month)	..	73	322
Internet users (per 100 people)	3.1	27.4	12.4
Quality			
Population covered by mobile cellular network (%)	..	92	80
Fixed broadband subscribers (% of total Internet subscribers)	0.8	47.1	40.4
International Internet bandwidth (bits per second per person)	4	2,704	199
Affordability			
Price basket for residential fixed line (\$ a month)	18.9	18.8	7.2
Price basket for mobile service (\$ a month)	..	23.0	9.8
Price basket for Internet service (\$ a month)	..	23.2	16.7
Price of call to United States (\$ for 3 minutes)	2.08	1.80	2.08
Trade			
ICT goods exports (% of total goods exports)	0.4	0.1	20.6
ICT goods imports (% of total goods imports)	10.1	8.0	20.2
ICT service exports (% of total service exports)	5.8	2.6	15.6
Applications			
ICT expenditure (% of GDP)	..	3.9	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.57	0.33
Secure Internet servers (per million people)	1.3	10.2	1.8

Philippines

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	76	88	3,435
Urban population (% of total)	59	64	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,050	1,620	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	5.1	8.0
Adult literacy rate (% ages 15 and older)	93	93	83
Gross primary, secondary, and tertiary enrollment (%)	79	81	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	4.4	3.1
Mobile and fixed-line subscribers per employee	482	1,555	624
Telecommunications investment (% of revenue)	47.4	24.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	4.0	4.5	15.3
Mobile cellular subscriptions (per 100 people)	8.5	58.9	38.9
Internet subscribers (per 100 people)	0.5	2.8	6.0
Personal computers (per 100 people)	1.9	7.3	4.6
Households with a television (%)	53	63	79
Usage			
International voice traffic (minutes per person per month)	2.3	2.4	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	2.0	6.0	12.4
Quality			
Population covered by mobile cellular network (%)	70	99	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	19.8	40.4
International Internet bandwidth (bits per second per person)	2	114	199
Affordability			
Price basket for residential fixed line (\$ a month)	12.3	13.3	7.2
Price basket for mobile service (\$ a month)	..	5.3	9.8
Price basket for Internet service (\$ a month)	..	2.2	16.7
Price of call to United States (\$ for 3 minutes)	2.07	1.20	2.08
Trade			
ICT goods exports (% of total goods exports)	69.4	29.1	20.6
ICT goods imports (% of total goods imports)	42.7	20.6	20.2
ICT service exports (% of total service exports)	7.6	7.0	15.6
Applications			
ICT expenditure (% of GDP)	..	5.7	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.51	0.33
Secure Internet servers (per million people)	0.9	4.6	1.8

Poland

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	38	38	824
Urban population (% of total)	62	61	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,570	9,850	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.4	4.1	4.3
Adult literacy rate (% ages 15 and older)	..	99	94
Gross primary, secondary, and tertiary enrollment (%)	86	87	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	..	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.7	3.3
Mobile and fixed-line subscribers per employee	256	566	566
Telecommunications investment (% of revenue)	19.4	19.2	..
Performance			
Access			
Telephone lines (per 100 people)	28.5	27.1	22.6
Mobile cellular subscriptions (per 100 people)	17.5	108.6	84.1
Internet subscribers (per 100 people)	2.4	10.5	9.4
Personal computers (per 100 people)	6.9	16.9	12.4
Households with a television (%)	96	89	92
Usage			
International voice traffic (minutes per person per month)	4.2	5.1	..
Mobile telephone usage (minutes per user per month)	161	101	137
Internet users (per 100 people)	7.3	44.0	26.6
Quality			
Population covered by mobile cellular network (%)	95	99	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	86.0	47.8
International Internet bandwidth (bits per second per person)	20	2,748	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	14.0	21.0	10.6
Price basket for mobile service (\$ a month)	..	7.6	10.9
Price basket for Internet service (\$ a month)	..	11.7	16.4
Price of call to United States (\$ for 3 minutes)	2.92	1.35	1.55
Trade			
ICT goods exports (% of total goods exports)	4.5	5.6	13.5
ICT goods imports (% of total goods imports)	10.5	9.6	16.2
ICT service exports (% of total service exports)	2.8	4.0	4.6
Applications			
ICT expenditure (% of GDP)	..	6.0	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.54	0.37
Secure Internet servers (per million people)	8.5	84.7	26.2

Portugal

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	11	1,056
Urban population (% of total)	54	59	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,590	18,950	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.2	0.9	2.4
Adult literacy rate (% ages 15 and older)	..	95	99
Gross primary, secondary, and tertiary enrollment (%)	92	90	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	4.5	3.1
Mobile and fixed-line subscribers per employee	594	1,365	747
Telecommunications investment (% of revenue)	22.7	16.4	14.3
Performance			
Access			
Telephone lines (per 100 people)	42.3	39.5	50.0
Mobile cellular subscriptions (per 100 people)	65.2	126.8	100.4
Internet subscribers (per 100 people)	6.3	15.2	25.8
Personal computers (per 100 people)	10.3	17.2	67.4
Households with a television (%)	100	99	98
Usage			
International voice traffic (minutes per person per month)	11.4	14.8	14.0
Mobile telephone usage (minutes per user per month)	133	120	353
Internet users (per 100 people)	16.4	40.1	65.7
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	94.6	82.6
International Internet bandwidth (bits per second per person)	49	4,790	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	17.4	31.8	26.1
Price basket for mobile service (\$ a month)	..	23.1	13.0
Price basket for Internet service (\$ a month)	..	38.1	22.8
Price of call to United States (\$ for 3 minutes)	0.83	1.04	0.81
Trade			
ICT goods exports (% of total goods exports)	7.8	9.0	15.2
ICT goods imports (% of total goods imports)	9.0	9.3	14.6
ICT service exports (% of total service exports)	2.7	4.8	7.0
Applications			
ICT expenditure (% of GDP)	..	5.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.60	0.60
Secure Internet servers (per million people)	13.4	115.2	662.6

Puerto Rico

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	1,056
Urban population (% of total)	95	98	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,560	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	..	3.1
Mobile and fixed-line subscribers per employee	387	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	34.0	26.5	50.0
Mobile cellular subscriptions (per 100 people)	24.3	85.7	100.4
Internet subscribers (per 100 people)	6.6	..	25.8
Personal computers (per 100 people)	0.7	0.8	67.4
Households with a television (%)	87	97	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	1,758	353
Internet users (per 100 people)	10.5	25.4	65.7
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband subscribers (% of total Internet subscribers)	8.9	..	82.6
International Internet bandwidth (bits per second per person)	20	511	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	33.5	26.1
Price basket for mobile service (\$ a month)	..	..	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	16.4	53.6	662.6

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.62	0.84	1,056
Urban population (% of total)	95	96	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	8.4	2.4
Adult literacy rate (% ages 15 and older)	..	93	99
Gross primary, secondary, and tertiary enrollment (%)	80	78	92
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	P	
Mobile telephone service	<i>M</i>	P	
Internet service	<i>M</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	1.9	3.1
Mobile and fixed-line subscribers per employee	169	597	747
Telecommunications investment (% of revenue)	10.8	22.5	14.3
Performance			
Access			
Telephone lines (per 100 people)	26.0	28.4	50.0
Mobile cellular subscriptions (per 100 people)	19.6	151.2	100.4
Internet subscribers (per 100 people)	1.7	10.4	25.8
Personal computers (per 100 people)	14.6	19.1	67.4
Households with a television (%)	85	84	98
Usage			
International voice traffic (minutes per person per month)	32.1	41.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	4.9	42.0	65.7
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	80.9	82.6
International Internet bandwidth (bits per second per person)	69	2,781	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.1	10.1	26.1
Price basket for mobile service (\$ a month)	..	8.9	13.0
Price basket for Internet service (\$ a month)	..	16.4	22.8
Price of call to United States (\$ for 3 minutes)	4.45	1.95	0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	15.2
ICT goods imports (% of total goods imports)	5.1	7.6	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.60
Secure Internet servers (per million people)	4.6	76.4	662.6

Romania

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	22	22	824
Urban population (% of total)	54	54	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,690	6,390	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-2.1	6.1	4.3
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, and tertiary enrollment (%)	68	77	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	3.5	3.3
Mobile and fixed-line subscribers per employee	151	617	566
Telecommunications investment (% of revenue)	67.8	21.5	..
Performance			
Access			
Telephone lines (per 100 people)	17.4	19.8	22.6
Mobile cellular subscriptions (per 100 people)	11.1	106.2	84.1
Internet subscribers (per 100 people)	1.7	10.0	9.4
Personal computers (per 100 people)	3.2	19.2	12.4
Households with a television (%)	90	90	92
Usage			
International voice traffic (minutes per person per month)	2.9	3.4	..
Mobile telephone usage (minutes per user per month)	..	289	137
Internet users (per 100 people)	3.6	23.9	26.6
Quality			
Population covered by mobile cellular network (%)	97	98	95
Fixed broadband subscribers (% of total Internet subscribers)	4.3	90.5	47.8
International Internet bandwidth (bits per second per person)	4	2,945	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	10.6	7.2	10.6
Price basket for mobile service (\$ a month)	..	10.5	10.9
Price basket for Internet service (\$ a month)	..	17.0	16.4
Price of call to United States (\$ for 3 minutes)	2.49	0.82	1.55
Trade			
ICT goods exports (% of total goods exports)	5.3	3.1	13.5
ICT goods imports (% of total goods imports)	12.0	7.6	16.2
ICT service exports (% of total service exports)	10.8	16.3	4.6
Applications			
ICT expenditure (% of GDP)	..	5.3	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.41	0.37
Secure Internet servers (per million people)	2.4	15.5	26.2

Russian Federation

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	146	142	824
Urban population (% of total)	73	73	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,710	7,530	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.2	6.6	4.3
Adult literacy rate (% ages 15 and older)	99	100	94
Gross primary, secondary, and tertiary enrollment (%)	..	89	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.6	3.3
Mobile and fixed-line subscribers per employee	83	439	566
Telecommunications investment (% of revenue)	11.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	21.9	31.1	22.6
Mobile cellular subscriptions (per 100 people)	2.2	114.9	84.1
Internet subscribers (per 100 people)	0.3	21.5	9.4
Personal computers (per 100 people)	6.4	13.3	12.4
Households with a television (%)	98	98	92
Usage			
International voice traffic (minutes per person per month)	1.1	..	..
Mobile telephone usage (minutes per user per month)	137	195	137
Internet users (per 100 people)	2.0	21.1	26.6
Quality			
Population covered by mobile cellular network (%)	..	95	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	13.1	47.8
International Internet bandwidth (bits per second per person)	21	573	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	9.5	10.6
Price basket for mobile service (\$ a month)	..	5.9	10.9
Price basket for Internet service (\$ a month)	..	13.2	16.4
Price of call to United States (\$ for 3 minutes)	2.56	2.03	1.55
Trade			
ICT goods exports (% of total goods exports)	0.8	0.5	13.5
ICT goods imports (% of total goods imports)	5.6	10.1	16.2
ICT service exports (% of total service exports)	4.6	6.0	4.6
Applications			
ICT expenditure (% of GDP)	..	4.1	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33	0.37
Secure Internet servers (per million people)	2.0	7.3	26.2

Rwanda

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	10	1,296
Urban population (% of total)	14	18	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	240	320	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	10.1	5.8	5.6
Adult literacy rate (% ages 15 and older)	65	..	64
Gross primary, secondary, and tertiary enrollment (%)	48	51	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.0	3.2	3.3
Mobile and fixed-line subscribers per employee	189	1,040	301
Telecommunications investment (% of revenue)	93.1	15.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.2	4.0
Mobile cellular subscriptions (per 100 people)	0.5	6.5	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	0.3	1.5
Households with a television (%)	2	2	16
Usage			
International voice traffic (minutes per person per month)	..	0.9	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.1	5.2
Quality			
Population covered by mobile cellular network (%)	50	90	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	45.6	3.4
International Internet bandwidth (bits per second per person)	0	16	26
Affordability			
Price basket for residential fixed line (\$ a month)	8.4	7.8	5.7
Price basket for mobile service (\$ a month)	..	11.5	11.2
Price basket for Internet service (\$ a month)	..	79.7	29.2
Price of call to United States (\$ for 3 minutes)	11.23	2.43	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.8	1.4
ICT goods imports (% of total goods imports)	9.3	8.0	6.7
ICT service exports (% of total service exports)	..	1.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	0.1	0.3	0.5

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.17	0.18	3,435
Urban population (% of total)	22	23	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,390	2,700	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.3	3.9	8.0
Adult literacy rate (% ages 15 and older)	..	99	83
Gross primary, secondary, and tertiary enrollment (%)	72	74	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	..	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	M	
Mobile telephone service	..	P	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	4.7	3.1
Mobile and fixed-line subscribers per employee	55	95	624
Telecommunications investment (% of revenue)	13.3	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	4.9	10.9	15.3
Mobile cellular subscriptions (per 100 people)	1.4	47.4	38.9
Internet subscribers (per 100 people)	0.2	..	6.0
Personal computers (per 100 people)	0.6	2.3	4.6
Households with a television (%)	88	88	79
Usage			
International voice traffic (minutes per person per month)	12.8	12.8	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.6	4.4	12.4
Quality			
Population covered by mobile cellular network (%)	..	..	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	1	50	199
Affordability			
Price basket for residential fixed line (\$ a month)	6.9	6.7	7.2
Price basket for mobile service (\$ a month)	..	7.7	9.8
Price basket for Internet service (\$ a month)	..	10.3	16.7
Price of call to United States (\$ for 3 minutes)	1.36	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.3	6.6	20.6
ICT goods imports (% of total goods imports)	3.4	2.9	20.2
ICT service exports (% of total service exports)	..	0.7	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.18	0.33
Secure Internet servers (per million people)	11.5	11.0	1.8

San Marino

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	..	0.03	1,056
Urban population (% of total)	93	94	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	46,770	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	3.9	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	0.4	3.1
Mobile and fixed-line subscribers per employee	497	438	747
Telecommunications investment (% of revenue)	62.9	45.6	14.3
Performance			
Access			
Telephone lines (per 100 people)	..	68.9	50.0
Mobile cellular subscriptions (per 100 people)	..	57.2	100.4
Internet subscribers (per 100 people)	..	19.3	25.8
Personal computers (per 100 people)	..	80.0	67.4
Households with a television (%)	..	68	98
Usage			
International voice traffic (minutes per person per month)	..	495.6	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	..	51.0	65.7
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband subscribers (% of total Internet subscribers)	..	27.1	82.6
International Internet bandwidth (bits per second per person)	..	5,069	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.8	23.6	26.1
Price basket for mobile service (\$ a month)	..	..	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.20	0.60
Secure Internet servers (per million people)	..	870.8	662.6

São Tomé and Príncipe

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.14	0.16	1,296
Urban population (% of total)	53	60	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	870	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	6.7	5.6
Adult literacy rate (% ages 15 and older)	85	88	64
Gross primary, secondary, and tertiary enrollment (%)	61	65	51
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	..	M	
Internet service	..	M	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	8.0	3.3
Mobile and fixed-line subscribers per employee	43	466	301
Telecommunications investment (% of revenue)	16.6	11.8	..
Performance			
Access			
Telephone lines (per 100 people)	3.3	4.8	4.0
Mobile cellular subscriptions (per 100 people)	0.0	19.0	21.5
Internet subscribers (per 100 people)	0.3	1.6	0.8
Personal computers (per 100 people)	1.0	3.9	1.5
Households with a television (%)	24	42	16
Usage			
International voice traffic (minutes per person per month)	2.2	1.4	..
Mobile telephone usage (minutes per user per month)	..	62	..
Internet users (per 100 people)	4.6	14.6	5.2
Quality			
Population covered by mobile cellular network (%)	..	20	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	12.2	3.4
International Internet bandwidth (bits per second per person)	14	51	26
Affordability			
Price basket for residential fixed line (\$ a month)	9.4	..	5.7
Price basket for mobile service (\$ a month)	..	16.7	11.2
Price basket for Internet service (\$ a month)	..	39.4	29.2
Price of call to United States (\$ for 3 minutes)	5.56	5.11	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	1.0	5.1	6.7
ICT service exports (% of total service exports)	10.0	10.0	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11	0.11
Secure Internet servers (per million people)	..	24.9	0.5

Saudi Arabia

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	21	24	1,056
Urban population (% of total)	80	83	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	8,140	15,470	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.3	4.1	2.4
Adult literacy rate (% ages 15 and older)	79	85	99
Gross primary, secondary, and tertiary enrollment (%)	..	76	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	M	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	3.0	3.1
Mobile and fixed-line subscribers per employee	189	933	747
Telecommunications investment (% of revenue)	33.9	20.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	14.3	16.5	50.0
Mobile cellular subscriptions (per 100 people)	6.7	117.5	100.4
Internet subscribers (per 100 people)	1.0	7.6	25.8
Personal computers (per 100 people)	6.3	14.8	67.4
Households with a television (%)	93	99	98
Usage			
International voice traffic (minutes per person per month)	7.3	18.0	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	2.2	26.4	65.7
Quality			
Population covered by mobile cellular network (%)	92	98	99
Fixed broadband subscribers (% of total Internet subscribers)	3.5	12.1	82.6
International Internet bandwidth (bits per second per person)	16	510	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	11.7	9.3	26.1
Price basket for mobile service (\$ a month)	..	9.7	13.0
Price basket for Internet service (\$ a month)	..	21.3	22.8
Price of call to United States (\$ for 3 minutes)	5.20	..	0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	15.2
ICT goods imports (% of total goods imports)	5.1	7.8	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	4.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.46	0.60
Secure Internet servers (per million people)	0.5	8.3	662.6

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	12	1,296
Urban population (% of total)	41	42	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	490	830	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.4	4.5	5.6
Adult literacy rate (% ages 15 and older)	39	42	64
Gross primary, secondary, and tertiary enrollment (%)	33	40	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	9.9	3.3
Mobile and fixed-line subscribers per employee	324	1,859	301
Telecommunications investment (% of revenue)	40.4	18.7	..
Performance			
Access			
Telephone lines (per 100 people)	2.0	2.2	4.0
Mobile cellular subscriptions (per 100 people)	2.4	29.3	21.5
Internet subscribers (per 100 people)	0.1	0.3	0.8
Personal computers (per 100 people)	1.5	2.1	1.5
Households with a television (%)	26	41	16
Usage			
International voice traffic (minutes per person per month)	1.4	2.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.4	6.6	5.2
Quality			
Population covered by mobile cellular network (%)	..	85	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	97.5	3.4
International Internet bandwidth (bits per second per person)	3	137	26
Affordability			
Price basket for residential fixed line (\$ a month)	8.7	10.5	5.7
Price basket for mobile service (\$ a month)	..	9.0	11.2
Price basket for Internet service (\$ a month)	..	40.4	29.2
Price of call to United States (\$ for 3 minutes)	2.23	1.02	2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.5	1.4
ICT goods imports (% of total goods imports)	3.2	4.0	6.7
ICT service exports (% of total service exports)	13.5	18.0	..
Applications			
ICT expenditure (% of GDP)	..	10.9	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.31	0.11
Secure Internet servers (per million people)	0.1	1.0	0.5

Serbia

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	7	824
Urban population (% of total)	51	52	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,470	4,540	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.0	5.6	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	..	..	82
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	..	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	P	
Mobile telephone service	..	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	5.0	3.3
Mobile and fixed-line subscribers per employee	247	787	566
Telecommunications investment (% of revenue)	28.0	31.2	..
Performance			
Access			
Telephone lines (per 100 people)	32.0	40.6	22.6
Mobile cellular subscriptions (per 100 people)	17.3	114.5	84.1
Internet subscribers (per 100 people)	0.4	13.7	9.4
Personal computers (per 100 people)	3.2	24.4	12.4
Households with a television (%)	92	80	92
Usage			
International voice traffic (minutes per person per month)	11.3	12.0	..
Mobile telephone usage (minutes per user per month)	..	91	137
Internet users (per 100 people)	5.3	20.3	26.6
Quality			
Population covered by mobile cellular network (%)	77	92	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	32.2	47.8
International Internet bandwidth (bits per second per person)	1	2,861	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	2.6	10.6
Price basket for mobile service (\$ a month)	..	5.8	10.9
Price basket for Internet service (\$ a month)	..	8.9	16.4
Price of call to United States (\$ for 3 minutes)	..	..	1.55
Trade			
ICT goods exports (% of total goods exports)	..	..	13.5
ICT goods imports (% of total goods imports)	..	..	16.2
ICT service exports (% of total service exports)	..	..	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.35	0.37
Secure Internet servers (per million people)	..	2.4	26.2

Seychelles

	Sub-Saharan Africa		Upper middle income	
			Upper middle-income group	
	Country data		2000	2007
	2000	2007	2007	
Economic and social context				
Population (millions)	0.08	0.09	824	
Urban population (% of total)	51	54	75	
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,420	8,960	7,107	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.6	-0.2	4.3	
Adult literacy rate (% ages 15 and older)	92	..	94	
Gross primary, secondary, and tertiary enrollment (%)	87	82	82	
Structure				
Separate telecommunications regulator	..	No		
Status of main fixed-line telephone operator	Private	Private		
Level of competition (competition, partial comp., monopoly)				
International long distance service	P	C		
Mobile telephone service	P	P		
Internet service	P	C		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	6.5	8.2	3.3	
Mobile and fixed-line subscribers per employee	126	..	566	
Telecommunications investment (% of revenue)	10.3	20.3	..	
Performance				
Access				
Telephone lines (per 100 people)	25.4	26.7	22.6	
Mobile cellular subscriptions (per 100 people)	32.0	90.9	84.1	
Internet subscribers (per 100 people)	1.6	6.8	9.4	
Personal computers (per 100 people)	13.6	21.2	12.4	
Households with a television (%)	86	86	92	
Usage				
International voice traffic (minutes per person per month)	11.4	..	..
Mobile telephone usage (minutes per user per month)	..	..	137	
Internet users (per 100 people)	7.4	37.6	26.6	
Quality				
Population covered by mobile cellular network (%)	97	98	95	
Fixed broadband subscribers (% of total Internet subscribers)	0.0	60.2	47.8	
International Internet bandwidth (bits per second per person)	25	517	1,185	
Affordability				
Price basket for residential fixed line (\$ a month)	18.0	18.1	10.6	
Price basket for mobile service (\$ a month)	..	16.9	10.9	
Price basket for Internet service (\$ a month)	..	59.5	16.4	
Price of call to United States (\$ for 3 minutes)	5.59	3.78	1.55	
Trade				
ICT goods exports (% of total goods exports)	0.7	0.2	13.5	
ICT goods imports (% of total goods imports)	2.2	2.7	16.2	
ICT service exports (% of total service exports)	..	2.8	4.6	
Applications				
ICT expenditure (% of GDP)	..	..	5.2	
E-gov't Web measure index (0-1, 1=highest presence)	..	0.30	0.37	
Secure Internet servers (per million people)	12.3	729.7	26.2	

Sierra Leone

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	1,296
Urban population (% of total)	36	37	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	140	260	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-5.0	11.2	5.6
Adult literacy rate (% ages 15 and older)	..	38	64
Gross primary, secondary, and tertiary enrollment (%)	45	74	51
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile and fixed-line subscribers per employee	31	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	..	4.0
Mobile cellular subscriptions (per 100 people)	0.3	13.3	21.5
Internet subscribers (per 100 people)	0.0	..	0.8
Personal computers (per 100 people)	..	..	1.5
Households with a television (%)	4	..	16
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.2	5.2
Quality			
Population covered by mobile cellular network (%)	..	70	54
Fixed broadband subscribers (% of total Internet subscribers)	..	..	3.4
International Internet bandwidth (bits per second per person)	0	..	26
Affordability			
Price basket for residential fixed line (\$ a month)	3.0	..	5.7
Price basket for mobile service (\$ a month)	..	19.4	11.2
Price basket for Internet service (\$ a month)	..	10.7	29.2
Price of call to United States (\$ for 3 minutes)	2.74	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	0.2	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	0.2	0.7	0.5

Singapore

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	5	1,056
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	22,970	32,340	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.7	5.8	2.4
Adult literacy rate (% ages 15 and older)	93	94	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	2.9	3.1
Mobile and fixed-line subscribers per employee	584	..	747
Telecommunications investment (% of revenue)	14.9	12.6	14.3
Performance			
Access			
Telephone lines (per 100 people)	48.3	40.6	50.0
Mobile cellular subscriptions (per 100 people)	68.2	129.1	100.4
Internet subscribers (per 100 people)	21.2	42.2	25.8
Personal computers (per 100 people)	48.2	74.3	67.4
Households with a television (%)	99	98	98
Usage			
International voice traffic (minutes per person per month)	53.7	127.6	14.0
Mobile telephone usage (minutes per user per month)	411	389	353
Internet users (per 100 people)	32.3	65.7	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	8.1	46.2	82.6
International Internet bandwidth (bits per second per person)	558	22,783	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	6.2	7.0	26.1
Price basket for mobile service (\$ a month)	..	3.7	13.0
Price basket for Internet service (\$ a month)	..	17.7	22.8
Price of call to United States (\$ for 3 minutes)	0.68	0.69	0.81
Trade			
ICT goods exports (% of total goods exports)	56.1	45.6	15.2
ICT goods imports (% of total goods imports)	44.4	38.3	14.6
ICT service exports (% of total service exports)	2.4	3.1	7.0
Applications			
ICT expenditure (% of GDP)	..	6.5	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61	0.60
Secure Internet servers (per million people)	126.9	390.3	662.6

Slovak Republic

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	5	1,056
Urban population (% of total)	56	56	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,850	11,720	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.8	6.0	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	72	78	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.4	3.1
Mobile and fixed-line subscribers per employee	191	748	747
Telecommunications investment (% of revenue)	22.6	20.9	14.3
Performance			
Access			
Telephone lines (per 100 people)	31.5	21.3	50.0
Mobile cellular subscriptions (per 100 people)	23.1	112.4	100.4
Internet subscribers (per 100 people)	1.3	9.9	25.8
Personal computers (per 100 people)	13.7	51.4	67.4
Households with a television (%)	96	78	98
Usage			
International voice traffic (minutes per person per month)	4.9	8.1	14.0
Mobile telephone usage (minutes per user per month)	148	84	353
Internet users (per 100 people)	9.4	55.9	65.7
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	88.6	82.6
International Internet bandwidth (bits per second per person)	41	5,555	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	9.2	17.3	26.1
Price basket for mobile service (\$ a month)	..	12.2	13.0
Price basket for Internet service (\$ a month)	..	19.8	22.8
Price of call to United States (\$ for 3 minutes)	1.13	1.06	0.81
Trade			
ICT goods exports (% of total goods exports)	3.9	13.2	15.2
ICT goods imports (% of total goods imports)	7.8	10.3	14.6
ICT service exports (% of total service exports)	4.6	6.6	7.0
Applications			
ICT expenditure (% of GDP)	..	6.0	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.47	0.60
Secure Internet servers (per million people)	14.7	57.9	662.6

Slovenia

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	2	1,056
Urban population (% of total)	51	49	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,090	21,510	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	4.3	2.4
Adult literacy rate (% ages 15 and older)	..	100	99
Gross primary, secondary, and tertiary enrollment (%)	87	94	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	3.2	3.1
Mobile and fixed-line subscribers per employee	541	587	747
Telecommunications investment (% of revenue)	97.6	29.5	14.3
Performance			
Access			
Telephone lines (per 100 people)	39.5	42.5	50.0
Mobile cellular subscriptions (per 100 people)	61.1	95.6	100.4
Internet subscribers (per 100 people)	7.0	20.7	25.8
Personal computers (per 100 people)	27.6	42.5	67.4
Households with a television (%)	92	97	98
Usage			
International voice traffic (minutes per person per month)	..	7.6	14.0
Mobile telephone usage (minutes per user per month)	..	134	353
Internet users (per 100 people)	15.1	52.6	65.7
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband subscribers (% of total Internet subscribers)	2.0	82.6	82.6
International Internet bandwidth (bits per second per person)	95	6,720	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.1	19.5	26.1
Price basket for mobile service (\$ a month)	..	10.1	13.0
Price basket for Internet service (\$ a month)	..	18.8	22.8
Price of call to United States (\$ for 3 minutes)	0.81	0.65	0.81
Trade			
ICT goods exports (% of total goods exports)	4.6	3.0	15.2
ICT goods imports (% of total goods imports)	6.9	5.3	14.6
ICT service exports (% of total service exports)	4.2	5.2	7.0
Applications			
ICT expenditure (% of GDP)	..	4.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.50	0.60
Secure Internet servers (per million people)	51.2	170.1	662.6

Solomon Islands

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.42	0.50	1,296
Urban population (% of total)	16	18	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	690	750	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-1.9	4.1	5.6
Adult literacy rate (% ages 15 and older)	..	..	64
Gross primary, secondary, and tertiary enrollment (%)	40	48	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	5.1	3.3
Mobile and fixed-line subscribers per employee	59	..	301
Telecommunications investment (% of revenue)	167.6	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.9	1.6	4.0
Mobile cellular subscriptions (per 100 people)	0.3	2.2	21.5
Internet subscribers (per 100 people)	0.3	0.4	0.8
Personal computers (per 100 people)	3.9	4.7	1.5
Households with a television (%)	4	5	16
Usage			
International voice traffic (minutes per person per month)	1.9	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.5	1.7	5.2
Quality			
Population covered by mobile cellular network (%)	35	..	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	23.7	3.4
International Internet bandwidth (bits per second per person)	1	17	26
Affordability			
Price basket for residential fixed line (\$ a month)	13.8	12.2	5.7
Price basket for mobile service (\$ a month)	..	28.0	11.2
Price basket for Internet service (\$ a month)	..	101.5	29.2
Price of call to United States (\$ for 3 minutes)	..	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	3.5	1.8	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.14	0.11
Secure Internet servers (per million people)	..	3.9	0.5

Somalia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	7	9	1,296
Urban population (% of total)	33	36	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	..	..	5.6
Adult literacy rate (% ages 15 and older)	..	..	64
Gross primary, secondary, and tertiary enrollment (%)	..	..	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile and fixed-line subscribers per employee	..	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.1	4.0
Mobile cellular subscriptions (per 100 people)	1.1	6.9	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	0.9	1.5
Households with a television (%)	8	8	16
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.1	5.2
Quality			
Population covered by mobile cellular network (%)	..	..	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	0	26
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	5.7
Price basket for mobile service (\$ a month)	..	5.1	11.2
Price basket for Internet service (\$ a month)	..	..	29.2
Price of call to United States (\$ for 3 minutes)	..	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.00	0.11
Secure Internet servers (per million people)	..	0.1	0.5

South Africa

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	44	48	824
Urban population (% of total)	57	60	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,050	5,720	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.5	4.3	4.3
Adult literacy rate (% ages 15 and older)	..	88	94
Gross primary, secondary, and tertiary enrollment (%)	76	77	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	7.5	3.3
Mobile and fixed-line subscribers per employee	264	1,145	566
Telecommunications investment (% of revenue)	25.5	9.8	..
Performance			
Access			
Telephone lines (per 100 people)	11.3	9.7	22.6
Mobile cellular subscriptions (per 100 people)	19.0	88.4	84.1
Internet subscribers (per 100 people)	1.6	9.1	9.4
Personal computers (per 100 people)	6.6	8.5	12.4
Households with a television (%)	55	59	92
Usage			
International voice traffic (minutes per person per month)	2.1	..	..
Mobile telephone usage (minutes per user per month)	..	106	137
Internet users (per 100 people)	5.5	8.3	26.6
Quality			
Population covered by mobile cellular network (%)	92	100	95
Fixed broadband subscribers (% of total Internet subscribers)	0.3	3.9	47.8
International Internet bandwidth (bits per second per person)	8	71	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	13.3	20.8	10.6
Price basket for mobile service (\$ a month)	..	13.9	10.9
Price basket for Internet service (\$ a month)	..	28.2	16.4
Price of call to United States (\$ for 3 minutes)	1.98	0.79	1.55
Trade			
ICT goods exports (% of total goods exports)	2.0	1.8	13.5
ICT goods imports (% of total goods imports)	13.6	11.3	16.2
ICT service exports (% of total service exports)	2.9	3.9	4.6
Applications			
ICT expenditure (% of GDP)	..	9.7	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.55	0.37
Secure Internet servers (per million people)	11.6	36.8	26.2

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	40	45	1,056
Urban population (% of total)	76	77	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	15,420	29,290	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.2	3.4	2.4
Adult literacy rate (% ages 15 and older)	..	98	99
Gross primary, secondary, and tertiary enrollment (%)	92	98	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	4.2	3.1
Mobile and fixed-line subscribers per employee	638	809	747
Telecommunications investment (% of revenue)	36.7	13.1	14.3
Performance			
Access			
Telephone lines (per 100 people)	42.5	45.3	50.0
Mobile cellular subscriptions (per 100 people)	60.3	107.9	100.4
Internet subscribers (per 100 people)	8.0	19.2	25.8
Personal computers (per 100 people)	17.4	39.3	67.4
Households with a television (%)	97	96	98
Usage			
International voice traffic (minutes per person per month)	11.6	9.7	14.0
Mobile telephone usage (minutes per user per month)	101	152	353
Internet users (per 100 people)	13.6	51.3	65.7
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband subscribers (% of total Internet subscribers)	2.4	93.8	82.6
International Internet bandwidth (bits per second per person)	297	11,008	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	14.7	25.8	26.1
Price basket for mobile service (\$ a month)	..	23.6	13.0
Price basket for Internet service (\$ a month)	..	32.0	22.8
Price of call to United States (\$ for 3 minutes)	1.08	0.60	0.81
Trade			
ICT goods exports (% of total goods exports)	5.4	4.0	15.2
ICT goods imports (% of total goods imports)	9.3	7.9	14.6
ICT service exports (% of total service exports)	5.2	5.4	7.0
Applications			
ICT expenditure (% of GDP)	..	5.5	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.70	0.60
Secure Internet servers (per million people)	23.0	170.1	662.6

Sri Lanka

	South Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	19	20	3,435
Urban population (% of total)	16	15	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	880	1,540	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.1	5.3	8.0
Adult literacy rate (% ages 15 and older)	91	91	83
Gross primary, secondary, and tertiary enrollment (%)	64	63	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.5	3.1
Mobile and fixed-line subscribers per employee	101	755	624
Telecommunications investment (% of revenue)	35.8	12.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	4.1	13.7	15.3
Mobile cellular subscriptions (per 100 people)	2.3	39.9	38.9
Internet subscribers (per 100 people)	0.2	1.0	6.0
Personal computers (per 100 people)	0.7	3.7	4.6
Households with a television (%)	22	32	79
Usage			
International voice traffic (minutes per person per month)	0.8	2.9	..
Mobile telephone usage (minutes per user per month)	..	86	322
Internet users (per 100 people)	0.6	3.9	12.4
Quality			
Population covered by mobile cellular network (%)	58	90	80
Fixed broadband subscribers (% of total Internet subscribers)	0.5	31.3	40.4
International Internet bandwidth (bits per second per person)	1	118	199
Affordability			
Price basket for residential fixed line (\$ a month)	6.9	8.2	7.2
Price basket for mobile service (\$ a month)	..	1.2	9.8
Price basket for Internet service (\$ a month)	..	4.4	16.7
Price of call to United States (\$ for 3 minutes)	3.29	2.11	2.08
Trade			
ICT goods exports (% of total goods exports)	2.7	1.7	20.6
ICT goods imports (% of total goods imports)	4.2	4.9	20.2
ICT service exports (% of total service exports)	7.8	10.6	15.6
Applications			
ICT expenditure (% of GDP)	..	6.0	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.39	0.33
Secure Internet servers (per million people)	0.3	3.2	1.8

St. Kitts and Nevis

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.04	0.05	824
Urban population (% of total)	33	32	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,490	9,990	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.3	3.9	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	84	73	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	9.1	..	3.3
Mobile and fixed-line subscribers per employee	167	..	566
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	49.5	53.2	22.6
Mobile cellular subscriptions (per 100 people)	2.7	21.3	84.1
Internet subscribers (per 100 people)	9.8	..	9.4
Personal computers (per 100 people)	15.8	23.4	12.4
Households with a television (%)	71	..	92
Usage			
International voice traffic (minutes per person per month)	59.2	47.6	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	6.1	30.7	26.6
Quality			
Population covered by mobile cellular network (%)	..	..	95
Fixed broadband subscribers (% of total Internet subscribers)	10.9	..	47.8
International Internet bandwidth (bits per second per person)	42	..	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	10.6
Price basket for mobile service (\$ a month)	..	12.0	10.9
Price basket for Internet service (\$ a month)	..	22.0	16.4
Price of call to United States (\$ for 3 minutes)	..	..	1.55
Trade			
ICT goods exports (% of total goods exports)	1.1	38.6	13.5
ICT goods imports (% of total goods imports)	9.8	8.3	16.2
ICT service exports (% of total service exports)	5.4	2.9	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.28	0.37
Secure Internet servers (per million people)	347.0	1,199.4	26.2

St. Lucia

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.16	0.17	824
Urban population (% of total)	28	28	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,910	5,520	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.0	3.7	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	72	75	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	..	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>M</i>	..	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile and fixed-line subscribers per employee	..	..	566
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.3	..	22.6
Mobile cellular subscriptions (per 100 people)	1.6	64.1	84.1
Internet subscribers (per 100 people)	..	..	9.4
Personal computers (per 100 people)	14.1	16.0	12.4
Households with a television (%)	77	..	92
Usage			
International voice traffic (minutes per person per month)	29.6	18.2	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	5.1	65.5	26.6
Quality			
Population covered by mobile cellular network (%)	..	80	95
Fixed broadband subscribers (% of total Internet subscribers)	..	..	47.8
International Internet bandwidth (bits per second per person)	95	..	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	13.9	12.6	10.6
Price basket for mobile service (\$ a month)	..	11.8	10.9
Price basket for Internet service (\$ a month)	..	22.0	16.4
Price of call to United States (\$ for 3 minutes)	..	..	1.55
Trade			
ICT goods exports (% of total goods exports)	9.7	8.9	13.5
ICT goods imports (% of total goods imports)	7.1	4.7	16.2
ICT service exports (% of total service exports)	4.2	4.1	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.28	0.37
Secure Internet servers (per million people)	12.7	94.1	26.2

St. Vincent & Grenadines

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.12	0.12	824
Urban population (% of total)	44	47	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,740	4,210	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.7	4.4	4.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, and tertiary enrollment (%)	65	69	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	8.6	11.2	3.3
Mobile and fixed-line subscribers per employee	165	695	566
Telecommunications investment (% of revenue)	15.2	..	..
Performance			
Access			
Telephone lines (per 100 people)	21.5	19.1	22.6
Mobile cellular subscriptions (per 100 people)	2.0	91.8	84.1
Internet subscribers (per 100 people)	2.3	7.0	9.4
Personal computers (per 100 people)	10.3	13.8	12.4
Households with a television (%)	79	79	92
Usage			
International voice traffic (minutes per person per month)	35.4	24.0	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	3.0	47.4	26.6
Quality			
Population covered by mobile cellular network (%)	55	100	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	94.8	47.8
International Internet bandwidth (bits per second per person)	34	249,324	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	13.2	10.6
Price basket for mobile service (\$ a month)	..	12.9	10.9
Price basket for Internet service (\$ a month)	..	22.0	16.4
Price of call to United States (\$ for 3 minutes)	3.97	..	1.55
Trade			
ICT goods exports (% of total goods exports)	0.6	1.3	13.5
ICT goods imports (% of total goods imports)	5.7	4.6	16.2
ICT service exports (% of total service exports)	9.2	6.4	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.26	0.37
Secure Internet servers (per million people)	25.7	115.8	26.2

Sudan

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	33	39	3,435
Urban population (% of total)	36	43	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	330	950	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.2	7.1	8.0
Adult literacy rate (% ages 15 and older)	61	..	83
Gross primary, secondary, and tertiary enrollment (%)	31	37	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	3.7	3.1
Mobile and fixed-line subscribers per employee	146	1,557	624
Telecommunications investment (% of revenue)	71.2	33.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	1.2	0.9	15.3
Mobile cellular subscriptions (per 100 people)	0.1	21.3	38.9
Internet subscribers (per 100 people)	..	0.1	6.0
Personal computers (per 100 people)	0.3	11.2	4.6
Households with a television (%)	17	16	79
Usage			
International voice traffic (minutes per person per month)	0.5	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.0	9.1	12.4
Quality			
Population covered by mobile cellular network (%)	20	60	80
Fixed broadband subscribers (% of total Internet subscribers)	..	4.7	40.4
International Internet bandwidth (bits per second per person)	0	345	199
Affordability			
Price basket for residential fixed line (\$ a month)	3.8	6.3	7.2
Price basket for mobile service (\$ a month)	..	3.8	9.8
Price basket for Internet service (\$ a month)	..	28.9	16.7
Price of call to United States (\$ for 3 minutes)	42.02	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	20.6
ICT goods imports (% of total goods imports)	6.5	7.5	20.2
ICT service exports (% of total service exports)	3.4	5.4	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.06	0.33
Secure Internet servers (per million people)	..	0.0	1.8

Suriname

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.44	0.46	824
Urban population (% of total)	72	75	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,060	4,730	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.7	5.9	4.3
Adult literacy rate (% ages 15 and older)	..	90	94
Gross primary, secondary, and tertiary enrollment (%)	73	77	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	M	
Mobile telephone service	<i>P</i>	P	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	5.2	3.3
Mobile and fixed-line subscribers per employee	111	318	566
Telecommunications investment (% of revenue)	38.8	32.4	..
Performance			
Access			
Telephone lines (per 100 people)	17.3	17.9	22.6
Mobile cellular subscriptions (per 100 people)	9.4	70.3	84.1
Internet subscribers (per 100 people)	0.9	1.8	9.4
Personal computers (per 100 people)	4.5	4.4	12.4
Households with a television (%)	65	66	92
Usage			
International voice traffic (minutes per person per month)	8.8	23.1	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	2.7	9.6	26.6
Quality			
Population covered by mobile cellular network (%)	..	..	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	32.2	47.8
International Internet bandwidth (bits per second per person)	7	439	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	5.5	6.5	10.6
Price basket for mobile service (\$ a month)	..	9.6	10.9
Price basket for Internet service (\$ a month)	..	30.2	16.4
Price of call to United States (\$ for 3 minutes)	2.29	1.33	1.55
Trade			
ICT goods exports (% of total goods exports)	..	..	13.5
ICT goods imports (% of total goods imports)	7.0	4.9	16.2
ICT service exports (% of total service exports)	0.0	0.0	4.6
Applications			
ICT expenditure (% of GDP)	..	..	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.04	0.37
Secure Internet servers (per million people)	..	8.7	26.2

Swaziland

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	1	3,435
Urban population (% of total)	23	25	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,600	2,560	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.3	2.6	8.0
Adult literacy rate (% ages 15 and older)	80	..	83
Gross primary, secondary, and tertiary enrollment (%)	61	60	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>C</i>	..	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	12.7	3.1
Mobile and fixed-line subscribers per employee	137	279	624
Telecommunications investment (% of revenue)	9.9	13.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.0	3.9	15.3
Mobile cellular subscriptions (per 100 people)	3.2	33.1	38.9
Internet subscribers (per 100 people)	0.5	1.8	6.0
Personal computers (per 100 people)	1.1	3.7	4.6
Households with a television (%)	18	18	79
Usage			
International voice traffic (minutes per person per month)	3.9	4.0	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.0	3.7	12.4
Quality			
Population covered by mobile cellular network (%)	70	90	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	1	1	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.1	5.7	7.2
Price basket for mobile service (\$ a month)	..	13.0	9.8
Price basket for Internet service (\$ a month)	..	39.1	16.7
Price of call to United States (\$ for 3 minutes)	3.68	2.97	2.08
Trade			
ICT goods exports (% of total goods exports)	0.4	0.0	20.6
ICT goods imports (% of total goods imports)	2.8	3.8	20.2
ICT service exports (% of total service exports)	1.3	1.4	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.25	0.33
Secure Internet servers (per million people)	0.9	5.2	1.8

Sweden

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	9	9	1,056
Urban population (% of total)	84	84	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	29,280	47,870	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.4	3.0	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	113	95	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.7	3.1
Mobile and fixed-line subscribers per employee	422	905	747
Telecommunications investment (% of revenue)	31.9	12.7	14.3
Performance			
Access			
Telephone lines (per 100 people)	64.8	60.2	50.0
Mobile cellular subscriptions (per 100 people)	71.8	113.4	100.4
Internet subscribers (per 100 people)	25.3	44.3	25.8
Personal computers (per 100 people)	50.7	88.1	67.4
Households with a television (%)	99	94	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	112	191	353
Internet users (per 100 people)	45.6	79.7	65.7
Quality			
Population covered by mobile cellular network (%)	99	98	99
Fixed broadband subscribers (% of total Internet subscribers)	11.1	80.9	82.6
International Internet bandwidth (bits per second per person)	2,098	49,828	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	26.7	26.1
Price basket for mobile service (\$ a month)	..	9.6	13.0
Price basket for Internet service (\$ a month)	..	22.8	22.8
Price of call to United States (\$ for 3 minutes)	0.36	0.41	0.81
Trade			
ICT goods exports (% of total goods exports)	19.1	11.2	15.2
ICT goods imports (% of total goods imports)	16.3	12.2	14.6
ICT service exports (% of total service exports)	9.1	13.1	7.0
Applications			
ICT expenditure (% of GDP)	..	6.4	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.98	0.60
Secure Internet servers (per million people)	116.1	772.0	662.6

Switzerland

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	7	8	1,056
Urban population (% of total)	73	73	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	40,280	60,820	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.0	1.8	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	84	86	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.2	3.1
Mobile and fixed-line subscribers per employee	409	549	747
Telecommunications investment (% of revenue)	27.2	14.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	72.9	65.3	50.0
Mobile cellular subscriptions (per 100 people)	64.6	108.7	100.4
Internet subscribers (per 100 people)	23.2	37.3	25.8
Personal computers (per 100 people)	65.4	91.8	67.4
Households with a television (%)	93	86	98
Usage			
International voice traffic (minutes per person per month)	55.4	..	14.0
Mobile telephone usage (minutes per user per month)	..	126	353
Internet users (per 100 people)	47.9	76.3	65.7
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband subscribers (% of total Internet subscribers)	3.4	84.6	82.6
International Internet bandwidth (bits per second per person)	2,941	29,417	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	22.0	29.5	26.1
Price basket for mobile service (\$ a month)	..	31.3	13.0
Price basket for Internet service (\$ a month)	..	40.8	22.8
Price of call to United States (\$ for 3 minutes)	0.21	0.32	0.81
Trade			
ICT goods exports (% of total goods exports)	5.8	3.7	15.2
ICT goods imports (% of total goods imports)	11.0	7.4	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	8.0	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.56	0.60
Secure Internet servers (per million people)	149.2	977.1	662.6

Syrian Arab Republic

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	17	20	3,435
Urban population (% of total)	52	54	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	960	1,780	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	4.5	8.0
Adult literacy rate (% ages 15 and older)	83	83	83
Gross primary, secondary, and tertiary enrollment (%)	57	65	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	3.0	3.1
Mobile and fixed-line subscribers per employee	80	409	624
Telecommunications investment (% of revenue)	58.2	9.1	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.1	17.4	15.3
Mobile cellular subscriptions (per 100 people)	0.2	31.3	38.9
Internet subscribers (per 100 people)	0.1	3.5	6.0
Personal computers (per 100 people)	1.5	9.0	4.6
Households with a television (%)	72	105	79
Usage			
International voice traffic (minutes per person per month)	2.0	6.6	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	0.2	17.4	12.4
Quality			
Population covered by mobile cellular network (%)	50	96	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	1.0	40.4
International Internet bandwidth (bits per second per person)	1	53	199
Affordability			
Price basket for residential fixed line (\$ a month)	3.3	2.4	7.2
Price basket for mobile service (\$ a month)	..	10.0	9.8
Price basket for Internet service (\$ a month)	..	13.7	16.7
Price of call to United States (\$ for 3 minutes)	4.81	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	20.6
ICT goods imports (% of total goods imports)	1.3	2.5	20.2
ICT service exports (% of total service exports)	..	5.8	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.24	0.33
Secure Internet servers (per million people)	0.1	0.1	1.8

Tajikistan

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	6	7	1,296
Urban population (% of total)	27	26	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	160	460	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.1	8.8	5.6
Adult literacy rate (% ages 15 and older)	99	100	64
Gross primary, secondary, and tertiary enrollment (%)	67	71	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.7	2.9	3.3
Mobile and fixed-line subscribers per employee	45	114	301
Telecommunications investment (% of revenue)	1.0	71.4	..
Performance			
Access			
Telephone lines (per 100 people)	3.5	5.0	4.0
Mobile cellular subscriptions (per 100 people)	0.0	34.9	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	..	1.3	1.5
Households with a television (%)	80	79	16
Usage			
International voice traffic (minutes per person per month)	0.3	0.9	..
Mobile telephone usage (minutes per user per month)	..	216	..
Internet users (per 100 people)	0.0	7.2	5.2
Quality			
Population covered by mobile cellular network (%)	0	..	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	2.2	3.4
International Internet bandwidth (bits per second per person)	0	0	26
Affordability			
Price basket for residential fixed line (\$ a month)	1.3	0.6	5.7
Price basket for mobile service (\$ a month)	..	23.3	11.2
Price basket for Internet service (\$ a month)	..	14.0	29.2
Price of call to United States (\$ for 3 minutes)	8.10	7.84	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	9.5	12.6	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.11
Secure Internet servers (per million people)	..	..	0.5

Tanzania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	34	40	1,296
Urban population (% of total)	22	25	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	260	410	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.9	6.7	5.6
Adult literacy rate (% ages 15 and older)	69	72	64
Gross primary, secondary, and tertiary enrollment (%)	32	50	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	..	3.3
Mobile and fixed-line subscribers per employee	78	..	301
Telecommunications investment (% of revenue)	12.6	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.4	4.0
Mobile cellular subscriptions (per 100 people)	0.3	20.6	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.3	0.9	1.5
Households with a television (%)	3	7	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.0	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.0	5.2
Quality			
Population covered by mobile cellular network (%)	25	65	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	3	26
Affordability			
Price basket for residential fixed line (\$ a month)	9.3	11.3	5.7
Price basket for mobile service (\$ a month)	..	9.5	11.2
Price basket for Internet service (\$ a month)	..	19.7	29.2
Price of call to United States (\$ for 3 minutes)	10.70	3.17	2.00
Trade			
ICT goods exports (% of total goods exports)	0.4	0.4	1.4
ICT goods imports (% of total goods imports)	6.0	6.2	6.7
ICT service exports (% of total service exports)	4.3	2.5	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.23	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Thailand

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	61	64	3,435
Urban population (% of total)	31	33	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,010	3,400	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.7	5.3	8.0
Adult literacy rate (% ages 15 and older)	93	94	83
Gross primary, secondary, and tertiary enrollment (%)	66	71	68
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	4.0	3.1
Mobile and fixed-line subscribers per employee	353	2,808	624
Telecommunications investment (% of revenue)	27.0	9.8	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.2	11.0	15.3
Mobile cellular subscriptions (per 100 people)	5.0	123.9	38.9
Internet subscribers (per 100 people)	1.0	..	6.0
Personal computers (per 100 people)	2.8	7.0	4.6
Households with a television (%)	91	92	79
Usage			
International voice traffic (minutes per person per month)	0.8	1.2	..
Mobile telephone usage (minutes per user per month)	..	313	322
Internet users (per 100 people)	3.8	21.0	12.4
Quality			
Population covered by mobile cellular network (%)	..	38	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	4	346	199
Affordability			
Price basket for residential fixed line (\$ a month)	8.4	8.3	7.2
Price basket for mobile service (\$ a month)	..	4.3	9.8
Price basket for Internet service (\$ a month)	..	7.4	16.7
Price of call to United States (\$ for 3 minutes)	2.19	0.67	2.08
Trade			
ICT goods exports (% of total goods exports)	29.5	24.2	20.6
ICT goods imports (% of total goods imports)	25.3	20.0	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	6.1	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.51	0.33
Secure Internet servers (per million people)	1.9	9.6	1.8

Timor-Leste

East Asia & Pacific	Lower middle income		
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.78	1	3,435
Urban population (% of total)	24	27	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	350	1,510	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	0.9	8.0
Adult literacy rate (% ages 15 and older)	83
Gross primary, secondary, and tertiary enrollment (%)	73	72	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	8.0	3.1
Mobile and fixed-line subscribers per employee	..	645	624
Telecommunications investment (% of revenue)	..	6.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	..	0.2	15.3
Mobile cellular subscriptions (per 100 people)	..	7.4	38.9
Internet subscribers (per 100 people)	..	0.1	6.0
Personal computers (per 100 people)	4.6
Households with a television (%)	79
Usage			
International voice traffic (minutes per person per month)	..	1.5	..
Mobile telephone usage (minutes per user per month)	..	101	322
Internet users (per 100 people)	..	0.1	12.4
Quality			
Population covered by mobile cellular network (%)	..	69	80
Fixed broadband subscribers (% of total Internet subscribers)	..	7.2	40.4
International Internet bandwidth (bits per second per person)	..	9	199
Affordability			
Price basket for residential fixed line (\$ a month)	7.2
Price basket for mobile service (\$ a month)	9.8
Price basket for Internet service (\$ a month)	..	93.8	16.7
Price of call to United States (\$ for 3 minutes)	2.08
Trade			
ICT goods exports (% of total goods exports)	20.6
ICT goods imports (% of total goods imports)	20.2
ICT service exports (% of total service exports)	15.6
Applications			
ICT expenditure (% of GDP)	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16	0.33
Secure Internet servers (per million people)	..	1.0	1.8

Togo

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	7	1,296
Urban population (% of total)	37	41	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	360	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.2	2.6	5.6
Adult literacy rate (% ages 15 and older)	53	..	64
Gross primary, secondary, and tertiary enrollment (%)	53	55	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	7.4	3.3
Mobile and fixed-line subscribers per employee	86	1,059	301
Telecommunications investment (% of revenue)	45.3	41.1	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.5	4.0
Mobile cellular subscriptions (per 100 people)	0.9	18.1	21.5
Internet subscribers (per 100 people)	0.1	0.2	0.8
Personal computers (per 100 people)	1.9	3.0	1.5
Households with a television (%)	11	14	16
Usage			
International voice traffic (minutes per person per month)	0.7	0.4	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	1.9	5.0	5.2
Quality			
Population covered by mobile cellular network (%)	80	85	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	0.0	3.4
International Internet bandwidth (bits per second per person)	0	4	26
Affordability			
Price basket for residential fixed line (\$ a month)	10.2	13.9	5.7
Price basket for mobile service (\$ a month)	..	16.0	11.2
Price basket for Internet service (\$ a month)	..	20.3	29.2
Price of call to United States (\$ for 3 minutes)	7.90	3.98	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	3.3	4.2	6.7
ICT service exports (% of total service exports)	12.5	6.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.11
Secure Internet servers (per million people)	..	1.2	0.5

East Asia & Pacific	Lower middle income		
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.10	0.10	3,435
Urban population (% of total)	23	25	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,640	2,480	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.7	1.2	8.0
Adult literacy rate (% ages 15 and older)	..	99	83
Gross primary, secondary, and tertiary enrollment (%)	78	80	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	..	..
Internet service	<i>P</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	..	3.1
Mobile and fixed-line subscribers per employee	35	..	624
Telecommunications investment (% of revenue)	..	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.8	20.6	15.3
Mobile cellular subscriptions (per 100 people)	0.2	45.5	38.9
Internet subscribers (per 100 people)	1.2	3.6	6.0
Personal computers (per 100 people)	1.3	5.9	4.6
Households with a television (%)	23	26	79
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	2.4	8.2	12.4
Quality			
Population covered by mobile cellular network (%)	70	90	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	21.1	40.4
International Internet bandwidth (bits per second per person)	5	117	199
Affordability			
Price basket for residential fixed line (\$ a month)	6.0	9.8	7.2
Price basket for mobile service (\$ a month)	..	3.7	9.8
Price basket for Internet service (\$ a month)	..	168.7	16.7
Price of call to United States (\$ for 3 minutes)	4.09	..	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	5.5	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.33
Secure Internet servers (per million people)	30.0	19.5	1.8

Trinidad and Tobago

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	1	1,056
Urban population (% of total)	11	13	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,170	14,480	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.0	8.8	2.4
Adult literacy rate (% ages 15 and older)	..	99	99
Gross primary, secondary, and tertiary enrollment (%)	68	65	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.6	3.1
Mobile and fixed-line subscribers per employee	157	..	747
Telecommunications investment (% of revenue)	39.2	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	24.4	23.1	50.0
Mobile cellular subscriptions (per 100 people)	12.4	113.3	100.4
Internet subscribers (per 100 people)	2.0	6.1	25.8
Personal computers (per 100 people)	6.2	13.2	67.4
Households with a television (%)	86	88	98
Usage			
International voice traffic (minutes per person per month)	15.1	31.3	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	7.7	16.0	65.7
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.0	43.4	82.6
International Internet bandwidth (bits per second per person)	46	675	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	7.0	16.2	26.1
Price basket for mobile service (\$ a month)	..	6.7	13.0
Price basket for Internet service (\$ a month)	..	13.4	22.8
Price of call to United States (\$ for 3 minutes)	2.47	2.19	0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	15.2
ICT goods imports (% of total goods imports)	4.1	5.9	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.60
Secure Internet servers (per million people)	9.2	45.6	662.6

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	10	3,435
Urban population (% of total)	63	66	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,090	3,210	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.5	4.8	8.0
Adult literacy rate (% ages 15 and older)	..	78	83
Gross primary, secondary, and tertiary enrollment (%)	74	76	68
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	4.3	3.1
Mobile and fixed-line subscribers per employee	153	915	624
Telecommunications investment (% of revenue)	39.8	23.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.0	12.5	15.3
Mobile cellular subscriptions (per 100 people)	1.2	76.7	38.9
Internet subscribers (per 100 people)	0.4	2.5	6.0
Personal computers (per 100 people)	2.2	7.5	4.6
Households with a television (%)	87	93	79
Usage			
International voice traffic (minutes per person per month)	3.7	6.1	..
Mobile telephone usage (minutes per user per month)	..	135	322
Internet users (per 100 people)	2.7	16.8	12.4
Quality			
Population covered by mobile cellular network (%)	60	100	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	45.1	40.4
International Internet bandwidth (bits per second per person)	5	303	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.2	3.0	7.2
Price basket for mobile service (\$ a month)	..	6.6	9.8
Price basket for Internet service (\$ a month)	..	11.6	16.7
Price of call to United States (\$ for 3 minutes)	2.25	..	2.08
Trade			
ICT goods exports (% of total goods exports)	3.4	4.2	20.6
ICT goods imports (% of total goods imports)	5.5	5.9	20.2
ICT service exports (% of total service exports)	1.2	1.2	15.6
Applications			
ICT expenditure (% of GDP)	..	6.0	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.13	0.33
Secure Internet servers (per million people)	0.4	10.7	1.8

Turkey

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	67	74	824
Urban population (% of total)	65	68	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,930	8,030	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	5.9	4.3
Adult literacy rate (% ages 15 and older)	..	89	94
Gross primary, secondary, and tertiary enrollment (%)	68	69	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.5	3.3
Mobile and fixed-line subscribers per employee	477	1,782	566
Telecommunications investment (% of revenue)	7.7	11.7	..
Performance			
Access			
Telephone lines (per 100 people)	27.3	24.6	22.6
Mobile cellular subscriptions (per 100 people)	23.9	83.9	84.1
Internet subscribers (per 100 people)	2.2	6.3	9.4
Personal computers (per 100 people)	3.7	6.0	12.4
Households with a television (%)	96	112	92
Usage			
International voice traffic (minutes per person per month)	2.4	2.5	..
Mobile telephone usage (minutes per user per month)	81	69	137
Internet users (per 100 people)	3.7	16.5	26.6
Quality			
Population covered by mobile cellular network (%)	50	98	95
Fixed broadband subscribers (% of total Internet subscribers)	0.0	97.2	47.8
International Internet bandwidth (bits per second per person)	9	1,381	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	10.4	13.5	10.6
Price basket for mobile service (\$ a month)	..	12.7	10.9
Price basket for Internet service (\$ a month)	..	10.9	16.4
Price of call to United States (\$ for 3 minutes)	3.30	2.40	1.55
Trade			
ICT goods exports (% of total goods exports)	4.0	2.0	13.5
ICT goods imports (% of total goods imports)	11.1	4.0	16.2
ICT service exports (% of total service exports)	..	1.8	4.6
Applications			
ICT expenditure (% of GDP)	..	5.5	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.42	0.37
Secure Internet servers (per million people)	3.2	56.5	26.2

Turkmenistan

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	5	3,435
Urban population (% of total)	46	48	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	650	..	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.0	..	8.0
Adult literacy rate (% ages 15 and older)	..	100	83
Gross primary, secondary, and tertiary enrollment (%)	..	..	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9	0.7	3.1
Mobile and fixed-line subscribers per employee	50	72	624
Telecommunications investment (% of revenue)	9.0	..	25.3
Performance			
Access			
Telephone lines (per 100 people)	8.1	9.2	15.3
Mobile cellular subscriptions (per 100 people)	0.2	7.0	38.9
Internet subscribers (per 100 people)	0.0	..	6.0
Personal computers (per 100 people)	1.5	7.2	4.6
Households with a television (%)	0	0	79
Usage			
International voice traffic (minutes per person per month)	0.5	..	..
Mobile telephone usage (minutes per user per month)	..	282	322
Internet users (per 100 people)	0.1	1.4	12.4
Quality			
Population covered by mobile cellular network (%)	12	14	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	0	16	199
Affordability			
Price basket for residential fixed line (\$ a month)	..	1.5	7.2
Price basket for mobile service (\$ a month)	..	17.2	9.8
Price basket for Internet service (\$ a month)	..	69.5	16.7
Price of call to United States (\$ for 3 minutes)	..	..	2.08
Trade			
ICT goods exports (% of total goods exports)	0.0	..	20.6
ICT goods imports (% of total goods imports)	6.3	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.05	0.33
Secure Internet servers (per million people)	..	..	1.8

Uganda

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	25	31	1,296
Urban population (% of total)	12	13	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	260	370	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.4	7.1	5.6
Adult literacy rate (% ages 15 and older)	68	74	64
Gross primary, secondary, and tertiary enrollment (%)	66	63	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	3.2	3.3
Mobile and fixed-line subscribers per employee	79	255	301
Telecommunications investment (% of revenue)	26.2	23.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.5	4.0
Mobile cellular subscriptions (per 100 people)	0.5	13.6	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.2	1.7	1.5
Households with a television (%)	5	10	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	2.5	5.2
Quality			
Population covered by mobile cellular network (%)	16	80	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	12.0	3.4
International Internet bandwidth (bits per second per person)	0	11	26
Affordability			
Price basket for residential fixed line (\$ a month)	14.4	13.2	5.7
Price basket for mobile service (\$ a month)	..	9.2	11.2
Price basket for Internet service (\$ a month)	..	51.7	29.2
Price of call to United States (\$ for 3 minutes)	3.63	3.21	2.00
Trade			
ICT goods exports (% of total goods exports)	1.1	6.9	1.4
ICT goods imports (% of total goods imports)	6.1	10.0	6.7
ICT service exports (% of total service exports)	4.1	7.6	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Ukraine

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	49	47	3,435
Urban population (% of total)	67	68	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	700	2,560	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-1.9	7.6	8.0
Adult literacy rate (% ages 15 and older)	99	100	83
Gross primary, secondary, and tertiary enrollment (%)	84	86	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	P	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	5.7	3.1
Mobile and fixed-line subscribers per employee	88	210	624
Telecommunications investment (% of revenue)	23.1	31.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	21.2	27.6	15.3
Mobile cellular subscriptions (per 100 people)	1.7	118.8	38.9
Internet subscribers (per 100 people)	0.5	13.8	6.0
Personal computers (per 100 people)	1.8	4.5	4.6
Households with a television (%)	97	97	79
Usage			
International voice traffic (minutes per person per month)	1.1	4.7	..
Mobile telephone usage (minutes per user per month)	49	156	322
Internet users (per 100 people)	0.7	21.5	12.4
Quality			
Population covered by mobile cellular network (%)	75	100	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	12.5	40.4
International Internet bandwidth (bits per second per person)	1	206	199
Affordability			
Price basket for residential fixed line (\$ a month)	..	2.6	7.2
Price basket for mobile service (\$ a month)	..	9.4	9.8
Price basket for Internet service (\$ a month)	..	7.6	16.7
Price of call to United States (\$ for 3 minutes)	..	1.65	2.08
Trade			
ICT goods exports (% of total goods exports)	1.3	1.5	20.6
ICT goods imports (% of total goods imports)	3.6	3.3	20.2
ICT service exports (% of total service exports)	2.5	3.6	15.6
Applications			
ICT expenditure (% of GDP)	..	7.1	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.54	0.33
Secure Internet servers (per million people)	0.9	4.3	1.8

United Arab Emirates

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	4	1,056
Urban population (% of total)	78	78	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	19,270	26,270	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.1	7.7	2.4
Adult literacy rate (% ages 15 and older)	..	90	99
Gross primary, secondary, and tertiary enrollment (%)	66	60	92
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	P	
Mobile telephone service	<i>M</i>	P	
Internet service	<i>M</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.7	3.1
Mobile and fixed-line subscribers per employee	294	852	747
Telecommunications investment (% of revenue)	28.9	9.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	31.4	31.7	50.0
Mobile cellular subscriptions (per 100 people)	44.0	177.1	100.4
Internet subscribers (per 100 people)	6.5	20.7	25.8
Personal computers (per 100 people)	12.3	33.0	67.4
Households with a television (%)	86	86	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	23.6	51.8	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.7	42.0	82.6
International Internet bandwidth (bits per second per person)	5	2,785	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	5.0	4.9	26.1
Price basket for mobile service (\$ a month)	..	7.7	13.0
Price basket for Internet service (\$ a month)	..	13.1	22.8
Price of call to United States (\$ for 3 minutes)	3.51	1.73	0.81
Trade			
ICT goods exports (% of total goods exports)	..	4.3	15.2
ICT goods imports (% of total goods imports)	..	8.6	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	5.1	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.72	0.60
Secure Internet servers (per million people)	9.1	125.8	662.6

United Kingdom

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	59	61	1,056
Urban population (% of total)	89	90	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,480	40,660	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.2	2.6	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	90	93	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.7	3.1
Mobile and fixed-line subscribers per employee	380	..	747
Telecommunications investment (% of revenue)	30.4	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	59.8	55.2	50.0
Mobile cellular subscriptions (per 100 people)	73.8	118.0	100.4
Internet subscribers (per 100 people)	14.3	30.0	25.8
Personal computers (per 100 people)	34.3	80.2	67.4
Households with a television (%)	97	98	98
Usage			
International voice traffic (minutes per person per month)	21.9	..	14.0
Mobile telephone usage (minutes per user per month)	150	179	353
Internet users (per 100 people)	26.8	71.7	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	0.6	85.4	82.6
International Internet bandwidth (bits per second per person)	1,469	39,650	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	25.3	28.2	26.1
Price basket for mobile service (\$ a month)	..	32.2	13.0
Price basket for Internet service (\$ a month)	..	21.4	22.8
Price of call to United States (\$ for 3 minutes)	1.07	0.77	0.81
Trade			
ICT goods exports (% of total goods exports)	19.8	20.5	15.2
ICT goods imports (% of total goods imports)	20.0	13.6	14.6
ICT service exports (% of total service exports)	5.9	7.8	7.0
Applications			
ICT expenditure (% of GDP)	..	6.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.69	0.60
Secure Internet servers (per million people)	109.4	905.0	662.6

United States

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	282	302	1,056
Urban population (% of total)	79	81	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,410	46,040	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.2	2.6	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	92	93	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.1	3.1
Mobile and fixed-line subscribers per employee	239	389	747
Telecommunications investment (% of revenue)	25.3	6.6	14.3
Performance			
Access			
Telephone lines (per 100 people)	68.2	54.1	50.0
Mobile cellular subscriptions (per 100 people)	38.8	84.7	100.4
Internet subscribers (per 100 people)	20.0	..	25.8
Personal computers (per 100 people)	57.1	80.5	67.4
Households with a television (%)	96	95	98
Usage			
International voice traffic (minutes per person per month)	12.7	23.3	14.0
Mobile telephone usage (minutes per user per month)	387	748	353
Internet users (per 100 people)	43.9	73.5	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers)	22.4	..	82.6
International Internet bandwidth (bits per second per person)	394	11,277	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	21.5	25.5	26.1
Price basket for mobile service (\$ a month)	..	6.7	13.0
Price basket for Internet service (\$ a month)	..	20.0	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	23.4	16.3	15.2
ICT goods imports (% of total goods imports)	18.9	14.6	14.6
ICT service exports (% of total service exports)	3.3	4.3	7.0
Applications			
ICT expenditure (% of GDP)	..	7.5	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.95	0.60
Secure Internet servers (per million people)	274.0	1,173.7	662.6

Uruguay

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	824
Urban population (% of total)	91	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,220	6,390	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	3.3	4.3
Adult literacy rate (% ages 15 and older)	..	98	94
Gross primary, secondary, and tertiary enrollment (%)	84	89	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.7	3.3
Mobile and fixed-line subscribers per employee	243	661	566
Telecommunications investment (% of revenue)	13.5	16.4	..
Performance			
Access			
Telephone lines (per 100 people)	28.1	29.0	22.6
Mobile cellular subscriptions (per 100 people)	12.4	90.4	84.1
Internet subscribers (per 100 people)	..	7.3	9.4
Personal computers (per 100 people)	10.6	13.6	12.4
Households with a television (%)	82	92	92
Usage			
International voice traffic (minutes per person per month)	5.1	10.6	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	10.6	29.1	26.6
Quality			
Population covered by mobile cellular network (%)	100	100	95
Fixed broadband subscribers (% of total Internet subscribers)	..	67.8	47.8
International Internet bandwidth (bits per second per person)	18	903	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	15.6	10.7	10.6
Price basket for mobile service (\$ a month)	..	16.1	10.9
Price basket for Internet service (\$ a month)	..	23.4	16.4
Price of call to United States (\$ for 3 minutes)	4.88	0.52	1.55
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.5
ICT goods imports (% of total goods imports)	7.4	6.5	16.2
ICT service exports (% of total service exports)	2.9	8.8	4.6
Applications			
ICT expenditure (% of GDP)	..	6.0	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.51	0.37
Secure Internet servers (per million people)	11.2	42.6	26.2

Uzbekistan

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	25	27	1,296
Urban population (% of total)	37	37	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	730	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.1	6.2	5.6
Adult literacy rate (% ages 15 and older)	97	..	64
Gross primary, secondary, and tertiary enrollment (%)	75	74	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.6	2.5	3.3
Mobile and fixed-line subscribers per employee	66	117	301
Telecommunications investment (% of revenue)	25.3	27.9	..
Performance			
Access			
Telephone lines (per 100 people)	6.7	6.8	4.0
Mobile cellular subscriptions (per 100 people)	0.2	21.9	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	..	3.1	1.5
Households with a television (%)	93	99	16
Usage			
International voice traffic (minutes per person per month)	0.5	1.0	..
Mobile telephone usage (minutes per user per month)	..	411	..
Internet users (per 100 people)	0.5	4.5	5.2
Quality			
Population covered by mobile cellular network (%)	75	75	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	7.4	3.4
International Internet bandwidth (bits per second per person)	0	9	26
Affordability			
Price basket for residential fixed line (\$ a month)	2.6	0.9	5.7
Price basket for mobile service (\$ a month)	..	1.8	11.2
Price basket for Internet service (\$ a month)	..	5.2	29.2
Price of call to United States (\$ for 3 minutes)	13.95	..	2.00
Trade			
ICT goods exports (% of total goods exports)	..	..	1.4
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Vanuatu

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	0.19	0.23	3,435
Urban population (% of total)	22	24	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,250	1,840	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	2.8	8.0
Adult literacy rate (% ages 15 and older)	..	78	83
Gross primary, secondary, and tertiary enrollment (%)	60	63	68
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	P	
Mobile telephone service	..	C	
Internet service	..	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	3.7	3.1
Mobile and fixed-line subscribers per employee	39	131	624
Telecommunications investment (% of revenue)	..	20.0	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.5	3.9	15.3
Mobile cellular subscriptions (per 100 people)	0.2	11.5	38.9
Internet subscribers (per 100 people)	0.7	0.7	6.0
Personal computers (per 100 people)	1.3	1.4	4.6
Households with a television (%)	6	6	79
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	2.1	7.5	12.4
Quality			
Population covered by mobile cellular network (%)	20	50	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	3.7	40.4
International Internet bandwidth (bits per second per person)	3	19	199
Affordability			
Price basket for residential fixed line (\$ a month)	21.2	31.6	7.2
Price basket for mobile service (\$ a month)	..	18.2	9.8
Price basket for Internet service (\$ a month)	..	56.7	16.7
Price of call to United States (\$ for 3 minutes)	7.45	..	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	0.03	0.33
Secure Internet servers (per million people)	10.3	160.1	1.8

Venezuela, RB

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2007
	2000	2007	2007
Economic and social context			
Population (millions)	24	27	824
Urban population (% of total)	90	93	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,100	7,550	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.6	4.6	4.3
Adult literacy rate (% ages 15 and older)	93	95	94
Gross primary, secondary, and tertiary enrollment (%)	67	76	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.8	3.3
Mobile and fixed-line subscribers per employee	386	677	566
Telecommunications investment (% of revenue)	26.3	18.5	..
Performance			
Access			
Telephone lines (per 100 people)	10.4	18.5	22.6
Mobile cellular subscriptions (per 100 people)	22.4	86.7	84.1
Internet subscribers (per 100 people)	1.1	3.7	9.4
Personal computers (per 100 people)	4.5	9.3	12.4
Households with a television (%)	82	90	92
Usage			
International voice traffic (minutes per person per month)	1.9	..	..
Mobile telephone usage (minutes per user per month)	..	..	137
Internet users (per 100 people)	3.4	20.8	26.6
Quality			
Population covered by mobile cellular network (%)	..	90	95
Fixed broadband subscribers (% of total Internet subscribers)	1.6	85.3	47.8
International Internet bandwidth (bits per second per person)	6	628	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	..	6.7	10.6
Price basket for mobile service (\$ a month)	..	1.2	10.9
Price basket for Internet service (\$ a month)	..	23.0	16.4
Price of call to United States (\$ for 3 minutes)	0.78	0.84	1.55
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	13.5
ICT goods imports (% of total goods imports)	9.4	12.1	16.2
ICT service exports (% of total service exports)	9.6	11.1	4.6
Applications			
ICT expenditure (% of GDP)	..	3.9	5.2
E-gov't Web measure index (0-1, 1=highest presence)	..	0.47	0.37
Secure Internet servers (per million people)	3.7	6.8	26.2

Vietnam

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	78	85	1,296
Urban population (% of total)	24	27	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	770	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.7	7.8	5.6
Adult literacy rate (% ages 15 and older)	90	..	64
Gross primary, secondary, and tertiary enrollment (%)	64	64	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	4.7	3.3
Mobile and fixed-line subscribers per employee	43	79	301
Telecommunications investment (% of revenue)	50.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	3.3	33.5	4.0
Mobile cellular subscriptions (per 100 people)	1.0	27.9	21.5
Internet subscribers (per 100 people)	0.1	6.2	0.8
Personal computers (per 100 people)	0.8	9.6	1.5
Households with a television (%)	78	89	16
Usage			
International voice traffic (minutes per person per month)	0.6	..	..
Mobile telephone usage (minutes per user per month)	..	71	..
Internet users (per 100 people)	0.3	21.0	5.2
Quality			
Population covered by mobile cellular network (%)	..	70	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	24.7	3.4
International Internet bandwidth (bits per second per person)	0	148	26
Affordability			
Price basket for residential fixed line (\$ a month)	5.4	2.7	5.7
Price basket for mobile service (\$ a month)	..	6.3	11.2
Price basket for Internet service (\$ a month)	..	10.4	29.2
Price of call to United States (\$ for 3 minutes)	9.29	1.95	2.00
Trade			
ICT goods exports (% of total goods exports)	4.7	5.1	1.4
ICT goods imports (% of total goods imports)	6.7	7.6	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	6.1	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.44	0.11
Secure Internet servers (per million people)	0.1	1.1	0.5

Virgin Islands (U.S.)

High income

	Country data		High-income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.11	0.11	1,056
Urban population (% of total)	93	95	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	..	..	2.4
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	747
Telecommunications investment (% of revenue)	..	..	14.3
Performance			
Access			
Telephone lines (per 100 people)	62.9	66.0	50.0
Mobile cellular subscriptions (per 100 people)	32.2	73.9	100.4
Internet subscribers (per 100 people)	..	..	25.8
Personal computers (per 100 people)	2.4	2.8	67.4
Households with a television (%)	50	50	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	353
Internet users (per 100 people)	13.8	27.7	65.7
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband subscribers (% of total Internet subscribers)	..	..	82.6
International Internet bandwidth (bits per second per person)	414	414	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	..	..	26.1
Price basket for mobile service (\$ a month)	..	..	13.0
Price basket for Internet service (\$ a month)	..	..	22.8
Price of call to United States (\$ for 3 minutes)	..	..	0.81
Trade			
ICT goods exports (% of total goods exports)	..	..	15.2
ICT goods imports (% of total goods imports)	..	..	14.6
ICT service exports (% of total service exports)	..	..	7.0
Applications			
ICT expenditure (% of GDP)	..	..	6.7
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.60
Secure Internet servers (per million people)	36.8	277.2	662.6

West Bank and Gaza

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	4	3,435
Urban population (% of total)	72	72	42
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,600	1,290	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	7.4	-0.9	8.0
Adult literacy rate (% ages 15 and older)	..	94	83
Gross primary, secondary, and tertiary enrollment (%)	77	82	68
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	0.8	3.1
Mobile and fixed-line subscribers per employee	263	880	624
Telecommunications investment (% of revenue)	46.2	18.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.3	9.4	15.3
Mobile cellular subscriptions (per 100 people)	6.0	27.7	38.9
Internet subscribers (per 100 people)	0.2	2.8	6.0
Personal computers (per 100 people)	3.5	5.6	4.6
Households with a television (%)	85	93	79
Usage			
International voice traffic (minutes per person per month)	2.4	5.7	..
Mobile telephone usage (minutes per user per month)	..	..	322
Internet users (per 100 people)	1.2	9.6	12.4
Quality			
Population covered by mobile cellular network (%)	95	95	80
Fixed broadband subscribers (% of total Internet subscribers)	0.0	54.5	40.4
International Internet bandwidth (bits per second per person)	7	324	199
Affordability			
Price basket for residential fixed line (\$ a month)	10.3	1.0	7.2
Price basket for mobile service (\$ a month)	..	9.6	9.8
Price basket for Internet service (\$ a month)	..	15.7	16.7
Price of call to United States (\$ for 3 minutes)	1.11	1.17	2.08
Trade			
ICT goods exports (% of total goods exports)	..	..	20.6
ICT goods imports (% of total goods imports)	..	..	20.2
ICT service exports (% of total service exports)	..	..	15.6
Applications			
ICT expenditure (% of GDP)	..	..	6.5
E-gov't Web measure index (0-1, 1=highest presence)	..	..	0.33
Secure Internet servers (per million people)	..	1.3	1.8

Yemen, Rep.

Middle East & North Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	18	22	1,296
Urban population (% of total)	26	30	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	870	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.6	4.0	5.6
Adult literacy rate (% ages 15 and older)	..	59	64
Gross primary, secondary, and tertiary enrollment (%)	50	55	51
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.0	1.2	3.3
Mobile and fixed-line subscribers per employee	72	..	301
Telecommunications investment (% of revenue)	51.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.9	4.5	4.0
Mobile cellular subscriptions (per 100 people)	0.2	13.7	21.5
Internet subscribers (per 100 people)	0.0	0.7	0.8
Personal computers (per 100 people)	0.2	2.8	1.5
Households with a television (%)	43	43	16
Usage			
International voice traffic (minutes per person per month)	0.7	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.4	5.2
Quality			
Population covered by mobile cellular network (%)	..	68	54
Fixed broadband subscribers (% of total Internet subscribers)	0.0	..	3.4
International Internet bandwidth (bits per second per person)	0	28	26
Affordability			
Price basket for residential fixed line (\$ a month)	3.7	2.5	5.7
Price basket for mobile service (\$ a month)	..	4.2	11.2
Price basket for Internet service (\$ a month)	..	11.0	29.2
Price of call to United States (\$ for 3 minutes)	4.45	2.39	2.00
Trade			
ICT goods exports (% of total goods exports)	..	0.1	1.4
ICT goods imports (% of total goods imports)	..	3.7	6.7
ICT service exports (% of total service exports)	28.1	18.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.07	0.11
Secure Internet servers (per million people)	..	0.2	0.5

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	12	1,296
Urban population (% of total)	35	35	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	770	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	5.1	5.6
Adult literacy rate (% ages 15 and older)	68	71	64
Gross primary, secondary, and tertiary enrollment (%)	43	60	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>C</i>	C	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.5	3.3
Mobile and fixed-line subscribers per employee	59	175	301
Telecommunications investment (% of revenue)	12.3	29.3	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	0.8	4.0
Mobile cellular subscriptions (per 100 people)	0.9	22.1	21.5
Internet subscribers (per 100 people)	0.1	0.1	0.8
Personal computers (per 100 people)	0.7	1.1	1.5
Households with a television (%)	23	..	16
Usage			
International voice traffic (minutes per person per month)	0.3	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	4.2	5.2
Quality			
Population covered by mobile cellular network (%)	51	50	54
Fixed broadband subscribers (% of total Internet subscribers)	0.3	25.8	3.4
International Internet bandwidth (bits per second per person)	0	3	26
Affordability			
Price basket for residential fixed line (\$ a month)	4.6	8.9	5.7
Price basket for mobile service (\$ a month)	..	14.6	11.2
Price basket for Internet service (\$ a month)	..	78.6	29.2
Price of call to United States (\$ for 3 minutes)	2.57	1.41	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	6.7	5.1	6.7
ICT service exports (% of total service exports)	..	8.5	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0-1, 1=highest presence)	..	0.00	0.11
Secure Internet servers (per million people)	..	0.3	0.5

Zimbabwe

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2007	2007
Economic and social context			
Population (millions)	13	13	1,296
Urban population (% of total)	34	37	32
GNI per capita, <i>World Bank Atlas</i> method (\$)	450	340	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.7	-5.7	5.6
Adult literacy rate (% ages 15 and older)	..	91	64
Gross primary, secondary, and tertiary enrollment (%)	57	52	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	P	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	..	3.3
Mobile and fixed-line subscribers per employee	112	381	301
Telecommunications investment (% of revenue)	90.9	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.0	2.6	4.0
Mobile cellular subscriptions (per 100 people)	2.1	9.1	21.5
Internet subscribers (per 100 people)	0.2	0.7	0.8
Personal computers (per 100 people)	1.5	6.5	1.5
Households with a television (%)	18	32	16
Usage			
International voice traffic (minutes per person per month)	0.9	1.7	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.4	10.1	5.2
Quality			
Population covered by mobile cellular network (%)	..	75	54
Fixed broadband subscribers (% of total Internet subscribers)	2.2	15.3	3.4
International Internet bandwidth (bits per second per person)	1	4	26
Affordability			
Price basket for residential fixed line (\$ a month)	6.3	4.3	5.7
Price basket for mobile service (\$ a month)	..	3.4	11.2
Price basket for Internet service (\$ a month)	..	24.6	29.2
Price of call to United States (\$ for 3 minutes)	4.36	..	2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	1.4
ICT goods imports (% of total goods imports)	4.0	2.0	6.7
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	3.5	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.11
Secure Internet servers (per million people)	0.1	0.5	0.5

Glossary

Adult literacy rate is the percentage of people ages 15 and older who can, with understanding, read and write a short, simple statement about their everyday life. (United Nations Educational, Scientific, and Cultural Organization Institute for Statistics)

E-government Web measure index measures the level of sophistication of a government's online presence based on five stages of e-government evolution: emerging presence, enhanced presence, interactive presence, transactional presence, and networked presence. A value of 0 indicates the lowest presence, a value of 1 the highest. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network)

Fixed broadband subscribers are users of the Internet who subscribe to paid high-speed access to the public Internet. High-speed access is at least 256 kilobits per second in one or both directions. (International Telecommunication Union)

GDP growth is the annual percentage rate of growth of gross domestic product (GDP) at market prices based on constant local currency. Aggregates are based on 2000 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. (World Bank and Organisation for Economic Co-operation and Development)

GNI per capita, World Bank Atlas method, is gross national income (GNI) converted to U.S. dollars using the *World Bank Atlas* method divided by the midyear population. GNI is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. GNI, calculated in national currency, is usually converted to U.S. dollars at official exchange rates for comparisons across economies. The *World Bank Atlas* method is used to smooth fluctuations in prices and exchange rates. It averages the exchange rate for a given year and the two preceding years, adjusted for differences in rates of inflation between the country and the Euro area, Japan, the United Kingdom, and the United States. (World Bank)

Gross primary, secondary, and tertiary enrollment is the combined number of students enrolled in primary, secondary, and tertiary levels of education, regardless of age, as a percentage of the population of official school age for the three levels. (United Nations Educational, Scientific and Cultural Organization Institute for Statistics)

Households with a television are the percentage of households with a television (a standalone device capable of receiving broadcast television signals using such access means as over-the-air reception, cable, or satellite. (International Telecommunication Union)

Glossary

ICT expenditure comprises computer hardware (computers, storage devices, printers, and other peripherals); computer software (operating systems, programming tools, utilities, applications, and internal software development); computer services (information technology consulting, computer and network systems integration, web hosting, data processing services, and other services); and communications services (voice and data communications services) and wired and wireless communications equipment. (Global Insight and World Information Technology and Services Alliance)

ICT goods exports and imports are goods that are intended to fulfill the function of information processing and communication by electronic means, including transmission and display, or that use electronic processing to detect, measure, or record physical phenomena or to control a physical process. They include telecommunications equipment, computer and related equipment, electronic components, audio and video equipment, and other goods. Re-exports (exports of foreign goods in the same state as previously imported) are included. (United Nations Statistics Division)

ICT service exports comprise communications services (telecommunications, business network services, teleconferencing, support services, and postal services) and computer and information services (database, data processing, software design and development, maintenance and repair, and news agency services). (International Monetary Fund)

International Internet bandwidth is the capacity that backbone operators provide to carry Internet traffic. (International Telecommunication Union and TeleGeography)

International voice traffic is the sum of international incoming and outgoing telephone traffic (in minutes). (International Telecommunication Union)

Internet subscribers are people who pay for access to the Internet (dialup, leased line, and fixed broadband), including people who access the so-called free Internet by telephone (which may incur a cost), those who pay in advance for a given amount of time (prepaid), and those who pay for a subscription (based on either a flat rate or volume per usage). (International Telecommunication Union)

Internet users are people who pay for Internet access (dialup, leased line, and fixed broadband) and people with access to the worldwide computer network who do not directly pay (for example, people who are a member of a household with access and people who access the Internet from work or school). (International Telecommunication Union)

Level of competition, international long distance service, is the level of competition for international long distance telephone calls (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union and World Bank)

Level of competition, Internet service, is the level of competition for retail Internet access service (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union and World Bank)

Level of competition, mobile telephone service, is the level of competition for digital cellular mobile services (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union and World Bank)

Mobile and fixed-line subscribers per employee are telephone subscribers (fixed line plus mobile) divided by the total number of telecommunications employees. (International Telecommunication Union)

Mobile cellular subscriptions are the number of subscriptions—including postpaid and prepaid subscriptions—to a public mobile telephone service using cellular technology that provides access to the public switched telephone network. (International Telecommunication Union)

Mobile telephone usage is the minutes of use per mobile user per month. (Wireless Intelligence)

Personal computers are self-contained computers designed to be used by a single individual. (International Telecommunication Union)

Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship, except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. Data are midyear estimates. (World Bank)

Population covered by mobile cellular network is the percentage of people who live within areas served by a mobile cellular signal regardless of whether they use it. (International Telecommunication Union)

Price basket for Internet service is calculated based on the cheapest available tariff for accessing the Internet 20 hours a month (10 hours peak and 10 hours off-peak). The basket excludes telephone line rental but includes telephone usage charges if applicable. Data are compiled in the national currency and converted to U.S. dollars using the average annual exchange rate. (International Telecommunication Union)

Price basket for mobile service is calculated based on the prepaid price for 25 calls per month spread over the same mobile network, other mobile networks, and mobile to fixed calls and during peak, off-peak, and weekend times. The basket also includes 30 text messages per month. (International Telecommunication Union)

Price basket for residential fixed line is calculated as one-fifth of the installation charge, the monthly subscription charge, and the cost of local

Glossary

calls (15 peak and 15 off-peak calls of three minutes each). (International Telecommunication Union and World Bank)

Price of call to United States is the cost of a three-minute, peak-rate, fixed-line call from the country to the United States. (International Telecommunication Union)

Secure Internet servers are the number of servers using encryption technology for Internet transactions. Data listed for 2007 are for December 2008. (Netcraft)

Separate telecommunications regulator indicates whether the country has a separate telecommunications regulator. (International Telecommunication Union)

Status of main fixed-line telephone operator indicates whether the incumbent fixed-line operator is a public or private entity. Public refers to a fully state-owned operator, private refers to a fully private operator, and mixed refers to a partially private operator. (International Telecommunication Union and World Bank)

Telecommunications revenue is revenue from the provision of telecommunications services such as fixed line, mobile, and data. (International Telecommunication Union)

Telecommunications investment is total telecommunications investment (capital expenditure) as a percentage of telecommunications revenue. (International Telecommunication Union)

Telephone lines are lines that connect a subscriber's terminal equipment to the public switched telephone network and that have a port on a telephone exchange. Integrated services digital network channels and fixed wireless subscribers are included. (International Telecommunication Union)

Urban population is the midyear population of areas defined as urban in each country and reported to the United Nations. (United Nations)



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MALTA MARSHALL ISLANDS MAURITANIA MAURITIUS MAYOTTE MEXICO FEDERATED STATES
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MYANMAR NAMIBIA NEPAL NETHERLANDS NETHERLANDS ANTILLES NEW CALEDONIA NEW
ZEALAND NICARAGUA NIGER NIGERIA NORTHERN MARIANA ISLANDS NORWAY OMAN
PAKISTAN PALAU PANAMA PAPUA NEW GUINEA PARAGUAY PERU PHILIPPINES POLAND
PORTUGAL PUERTO RICO QATAR ROMANIA RUSSIAN FEDERATION RWANDA SAMOA SAN
MARINO SAO TOME AND PRINCIPE SAUDI ARABIA SENEGAL SERBIA SEYCHELLES SIERRA
LEONE SINGAPORE SLOVAK REPUBLIC SLOVENIA SOLOMON ISLANDS SOMALIA SOUTH
AFRICA SPAIN SRI LANKA ST. KITTS AND NEVIS ST. LUCIA ST. VINCENT & GRENADINES
SUDAN SURINAME SWAZILAND SWEDEN SWITZERLAND SYRIAN ARAB REPUBLIC TAJIKISTAN
TANZANIA THAILAND TIMOR-LESTE TOGO TONGA TRINIDAD AND TOBAGO TUNISIA TURKEY
TURKMENISTAN UGANDA UKRAINE UNITED ARAB EMIRATES UNITED KINGDOM UNITED
STATES URUGUAY UZBEKISTAN VANUATO REPUBLICA BOLIVARIANA DE VENEZUELA VIETNAM
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