

2011 | THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY



THE WORLD BANK

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Preface

Since the late 1990s access to information and communication technologies has seen tremendous growth—driven primarily by the wireless technologies and liberalization of telecommunications markets. Mobile communications have evolved from simple voice and text services to diversified innovative applications and mobile broadband internet. The number of mobile cellular subscriptions reached approximately 4.7 billion globally, including people in remote and rural areas. The number of Internet users has risen constantly and now tops 1.8 billion people, with the number of broadband connections more than 470 million in 2009.

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 2011 charts the progress of this revolution for 213 countries around the world. It provides comparable statistics on the sector for 2000 and 2009 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 data.worldbank.org or the Web site of the Information and Communication Technologies Department at www.worldbank.org/ict.

Data notes

The data in this book are for 2000 and 2009 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, Tuvalu, Vanuatu, Vietnam

Europe and Central Asia

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

Latin America and the Caribbean

Antigua and Barbuda, 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	2009
Economic and social context		
Population (millions)	6,085	6,775
Urban population (% of total)	47	50
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,293	8,732
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.3	2.9
Adult literacy rate (% ages 15 and older)	82	84
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)	2.9	3.1
Mobile cellular and fixed-line subscribers per employee	155	755
Telecommunications investment (% of revenue)	26.7	18.5
Performance		
Access		
Telephone lines (per 100 people)	16.0	18.0
Mobile cellular subscriptions (per 100 people)	12.2	69.0
Fixed broadband Internet subscribers (per 100 people)	2.3	9.1
Personal computers (per 100 people)	8.0	15.3
Households with a television (%)	..	..
Usage		
International voice traffic total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	195	298
Internet users (per 100 people)	6.7	27.1
Quality		
Population covered by mobile cellular network (%)	..	80
Fixed broadband Internet subscribers (% of total subscribers)	15.7	59.7
International Internet bandwidth (bits per second per person)	102	3,526
Affordability		
Residential fixed line tariff (\$ a month)	..	10.1
Mobile cellular prepaid tariff (\$ a month)	..	8.7
Fixed broadband Internet access tariff (\$ a month)	..	29.7
Trade		
ICT goods exports (% of total goods exports)	18.0	13.0
ICT goods imports (% of total goods imports)	17.7	13.9
ICT service exports (% of total service exports)	5.5	9.1
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26
Secure Internet servers (per million people)	21.8	155.7

East Asia & Pacific

	2000	2009
Economic and social context		
Population (millions)	1,807	1,944
Urban population (% of total)	37	45
GNI per capita, <i>World Bank Atlas</i> method (\$)	902	3,163
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.0	9.4
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, and tertiary enrollment (%)	65	67
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	2.5
Mobile cellular and fixed-line subscribers per employee	151	546
Telecommunications investment (% of revenue)	30.7	..
Performance		
Access		
Telephone lines (per 100 people)	9.3	20.4
Mobile cellular subscriptions (per 100 people)	5.8	61.6
Fixed broadband Internet subscribers (per 100 people)	0.7	9.0
Personal computers (per 100 people)	1.6	5.6
Households with a television (%)	..	..
Usage		
International voice traffic, total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	247	363
Internet users (per 100 people)	1.9	24.1
Quality		
Population covered by mobile cellular network (%)	..	93
Fixed broadband Internet subscribers (% of total subscribers)	0.2	42.6
International Internet bandwidth (bits per second per person)	2	742
Affordability		
Residential fixed line tariff (\$ a month)	..	4.0
Mobile cellular prepaid tariff (\$ a month)	..	3.7
Fixed broadband Internet access tariff (\$ a month)	..	20.8
Trade		
ICT goods exports (% of total goods exports)	29.8	28.9
ICT goods imports (% of total goods imports)	26.7	24.4
ICT service exports (% of total service exports)	4.7	6.8
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.13
Secure Internet servers (per million people)	0.3	3.2

Europe & Central Asia

	2000	2009
Economic and social context		
Population (millions)	400	404
Urban population (% of total)	63	64
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,756	6,793
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.1	5.9
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, and tertiary enrollment (%)	76	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)	2.5	2.8
Mobile cellular and fixed-line subscribers per employee	88	462
Telecommunications investment (% of revenue)	26.0	22.5
Performance		
Access		
Telephone lines (per 100 people)	20.5	25.5
Mobile cellular subscriptions (per 100 people)	6.5	118.7
Fixed broadband Internet subscribers (per 100 people)	0.8	29.1
Personal computers (per 100 people)	4.5	9.8
Households with a television (%)	..	..
Usage		
International voice traffic total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	..	214
Internet users (per 100 people)	2.0	36.4
Quality		
Population covered by mobile cellular network (%)	..	91
Fixed broadband Internet subscribers (% of total subscribers)	1.8	26.3
International Internet bandwidth (bits per second per person)	11	1,087
Affordability		
Residential fixed line tariff (\$ a month)	..	3.9
Mobile cellular prepaid tariff (\$ a month)	..	7.6
Fixed broadband Internet access tariff (\$ a month)	..	17.2
Trade		
ICT goods exports (% of total goods exports)	1.7	1.5
ICT goods imports (% of total goods imports)	7.9	6.6
ICT service exports (% of total service exports)	2.5	6.1
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32
Secure Internet servers (per million people)	2.0	33.1

Latin America & Caribbean

	2000	2009
Economic and social context		
Population (millions)	512	572
Urban population (% of total)	75	79
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,831	7,007
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.0	3.8
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, and tertiary enrollment (%)	78	83
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 cellular and fixed-line subscribers per employee	244	586
Telecommunications investment (% of revenue)	26.3	..
Performance		
Access		
Telephone lines (per 100 people)	14.5	18.2
Mobile cellular subscriptions (per 100 people)	12.1	89.5
Fixed broadband Internet subscribers (per 100 people)	1.3	7.7
Personal computers (per 100 people)	4.9	11.5
Households with a television (%)	..	85
Usage		
International voice traffic, total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	127	115
Internet users (per 100 people)	3.8	31.5
Quality		
Population covered by mobile cellular network (%)	..	92
Fixed broadband Internet subscribers (% of total subscribers)	3.0	92.0
International Internet bandwidth (bits per second per person)	8	1,408
Affordability		
Residential fixed line tariff (\$ a month)	..	10.6
Mobile cellular prepaid tariff (\$ a month)	..	8.8
Fixed broadband Internet access tariff (\$ a month)	..	29.6
Trade		
ICT goods exports (% of total goods exports)	12.5	11.6
ICT goods imports (% of total goods imports)	16.3	15.2
ICT service exports (% of total service exports)	6.5	5.5
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29
Secure Internet servers (per million people)	4.1	27.5

Middle East & North Africa

	2000	2009
Economic and social context		
Population (millions)	280	331
Urban population (% of total)	55	58
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,617	3,597
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.5	4.7
Adult literacy rate (% ages 15 and older)	68	74
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)	1.9	3.1
Mobile cellular and fixed-line subscribers per employee	139	880
Telecommunications investment (% of revenue)	39.8	23.6
Performance		
Access		
Telephone lines (per 100 people)	8.5	15.8
Mobile cellular subscriptions (per 100 people)	2.2	67.4
Fixed broadband Internet subscribers (per 100 people)	0.1	2.0
Personal computers (per 100 people)	2.5	5.7
Households with a television (%)	..	..
Usage		
International voice traffic total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.9	21.5
Quality		
Population covered by mobile cellular network (%)	..	93
Fixed broadband Internet subscribers (% of total subscribers)	..	22.6
International Internet bandwidth (bits per second per person)	1	323
Affordability		
Residential fixed line tariff (\$ a month)	..	3.0
Mobile cellular prepaid tariff (\$ a month)	..	6.3
Fixed broadband Internet access tariff (\$ a month)	..	22.7
Trade		
ICT goods exports (% of total goods exports)	..	..
ICT goods imports (% of total goods imports)	..	..
ICT service exports (% of total service exports)	..	..
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.20
Secure Internet servers (per million people)	0.2	2.4

South Asia

	2000	2009
Economic and social context		
Population (millions)	1,362	1,568
Urban population (% of total)	27	30
GNI per capita, <i>World Bank Atlas</i> method (\$)	442	1,107
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.4	7.3
Adult literacy rate (% ages 15 and older)	58	61
Gross primary, secondary, and tertiary enrollment (%)	49	58
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	2.0
Mobile cellular and fixed-line subscribers per employee	60	565
Telecommunications investment (% of revenue)	25.9	..
Performance		
Access		
Telephone lines (per 100 people)	2.7	3.0
Mobile cellular subscriptions (per 100 people)	0.3	45.5
Fixed broadband Internet subscribers (per 100 people)	0.2	1.3
Personal computers (per 100 people)	0.4	3.3
Households with a television (%)	31	55
Usage		
International voice traffic, total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	198	341
Internet users (per 100 people)	0.5	5.5
Quality		
Population covered by mobile cellular network (%)	24	61
Fixed broadband Internet subscribers (% of total subscribers)	0.0	51.3
International Internet bandwidth (bits per second per person)	1	31
Affordability		
Residential fixed line tariff (\$ a month)	..	3.0
Mobile cellular prepaid tariff (\$ a month)	..	1.2
Fixed broadband Internet access tariff (\$ a month)	..	14.6
Trade		
ICT goods exports (% of total goods exports)	1.4	3.0
ICT goods imports (% of total goods imports)	6.4	7.4
ICT service exports (% of total service exports)	29.5	49.9
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24
Secure Internet servers (per million people)	0.1	1.9

Sub-Saharan Africa

	2000	2009
Economic and social context		
Population (millions)	672	840
Urban population (% of total)	33	37
GNI per capita, <i>World Bank Atlas</i> method (\$)	488	1,125
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.2	5.1
Adult literacy rate (% ages 15 and older)	57	62
Gross primary, secondary, and tertiary enrollment (%)	43	54
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)	3.2	4.7
Mobile cellular and fixed-line subscribers per employee	73	499
Telecommunications investment (% of revenue)	32.5	..
Performance		
Access		
Telephone lines (per 100 people)	1.4	1.5
Mobile cellular subscriptions (per 100 people)	1.7	37.3
Fixed broadband Internet subscribers (per 100 people)	0.2	0.2
Personal computers (per 100 people)	0.9	1.8
Households with a television (%)	..	..
Usage		
International voice traffic total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.5	8.8
Quality		
Population covered by mobile cellular network (%)	..	56
Fixed broadband Internet subscribers (% of total subscribers)	0.2	31.8
International Internet bandwidth (bits per second per person)	1	31
Affordability		
Residential fixed line tariff (\$ a month)	..	11.5
Mobile cellular prepaid tariff (\$ a month)	..	10.4
Fixed broadband Internet access tariff (\$ a month)	..	88.0
Trade		
ICT goods exports (% of total goods exports)	0.9	1.0
ICT goods imports (% of total goods imports)	8.9	7.8
ICT service exports (% of total service exports)	..	4.5
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.10
Secure Internet servers (per million people)	..	4.8

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 \$995 or less in 2009.

Middle-income economies are those with a GNI per capita of more than \$995 but less than \$12,196. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$3,945.

High-income economies are those with a GNI per capita of \$12,196 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, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Malta, Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

	2000	2009
Economic and social context	695	846
Population (millions)	25	29
Urban population (% of total)	264	509
GNI per capita, <i>World Bank Atlas</i> method (\$)	4.1	5.4
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	58	62
Adult literacy rate (% ages 15 and older)	46	56
Gross primary, secondary, and tertiary enrollment (%)		
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)	1.7	2.9
Mobile cellular and fixed-line subscribers per employee	48	301
Telecommunications investment (% of revenue)	26.7	..
Performance		
Access		
Telephone lines (per 100 people)	0.6	1.2
Mobile cellular subscriptions (per 100 people)	0.3	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1
Personal computers (per 100 people)	0.3	0.9
Households with a television (%)	..	..
Usage		
International voice traffic total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	0.1	2.7
Internet users (per 100 people)		
Quality		
Population covered by mobile cellular network (%)	..	53
Fixed broadband Internet subscribers (% of total subscribers)	0.3	5.4
International Internet bandwidth (bits per second per person)	0	7
Affordability		
Residential fixed line tariff (\$ a month)	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	89.9
Trade		
ICT goods exports (% of total goods exports)	0.2	0.6
ICT goods imports (% of total goods imports)	..	5.9
ICT service exports (% of total service exports)	3.9	6.5
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09
Secure Internet servers (per million people)	..	0.6

Middle income

	2000	2009
Economic and social context		
Population (millions)	4,339	4,813
Urban population (% of total)	43	48
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,267	3,397
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.1	6.4
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, and tertiary enrollment (%)	62	67
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 cellular and fixed-line subscribers per employee	148	665
Telecommunications investment (% of revenue)	27.7	22.5
Performance		
Access		
Telephone lines (per 100 people)	9.0	14.7
Mobile cellular subscriptions (per 100 people)	4.9	66.7
Fixed broadband Internet subscribers (per 100 people)	0.6	6.9
Personal computers (per 100 people)	2.0	5.5
Households with a television (%)	..	..
Usage		
International voice traffic, total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	164	284
Internet users (per 100 people)	1.7	20.9
Quality		
Population covered by mobile cellular network (%)	..	80
Fixed broadband Internet subscribers (% of total subscribers)	0.7	38.0
International Internet bandwidth (bits per second per person)	3	348
Affordability		
Residential fixed line tariff (\$ a month)	..	5.7
Mobile cellular prepaid tariff (\$ a month)	..	7.6
Fixed broadband Internet access tariff (\$ a month)	..	22.0
Trade		
ICT goods exports (% of total goods exports)	16.9	16.3
ICT goods imports (% of total goods imports)	18.2	16.6
ICT service exports (% of total service exports)	7.1	13.3
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26
Secure Internet servers (per million people)	1.0	8.8

Lower middle income

	2000	2009
Economic and social context		
Population (millions)	3,416	3,811
Urban population (% of total)	36	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	741	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.6	8.5
Adult literacy rate (% ages 15 and older)	77	80
Gross primary, secondary, and tertiary enrollment (%)	58	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	111	605
Telecommunications investment (% of revenue)	31.1	22.4
Performance		
Access		
Telephone lines (per 100 people)	6.7	12.7
Mobile cellular subscriptions (per 100 people)	3.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.4	5.5
Personal computers (per 100 people)	1.1	4.5
Households with a television (%)	..	..
Usage		
International voice traffic total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	192	342
Internet users (per 100 people)	1.1	17.2
Quality		
Population covered by mobile cellular network (%)	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.2	40.1
International Internet bandwidth (bits per second per person)	1	151
Affordability		
Residential fixed line tariff (\$ a month)	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	30.4
Trade		
ICT goods exports (% of total goods exports)	19.7	21.3
ICT goods imports (% of total goods imports)	18.8	18.4
ICT service exports (% of total service exports)	13.6	19.9
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24
Secure Internet servers (per million people)	0.2	2.7

Upper middle income

	2000	2009
Economic and social context		
Population (millions)	923	1,002
Urban population (% of total)	72	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,214	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.9	4.4
Adult literacy rate (% ages 15 and older)	90	92
Gross primary, secondary, and tertiary enrollment (%)	78	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	3.3
Mobile cellular and fixed-line subscribers per employee	212	576
Telecommunications investment (% of revenue)	27.7	18.0
Performance		
Access		
Telephone lines (per 100 people)	17.3	22.1
Mobile cellular subscriptions (per 100 people)	10.8	100.6
Fixed broadband Internet subscribers (per 100 people)	1.3	19.4
Personal computers (per 100 people)	5.4	11.2
Households with a television (%)	..	93
Usage		
International voice traffic, total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	..	157
Internet users (per 100 people)	3.8	34.6
Quality		
Population covered by mobile cellular network (%)	..	94
Fixed broadband Internet subscribers (% of total subscribers)	1.6	41.6
International Internet bandwidth (bits per second per person)	10	1,120
Affordability		
Residential fixed line tariff (\$ a month)	..	10.0
Mobile cellular prepaid tariff (\$ a month)	..	8.8
Fixed broadband Internet access tariff (\$ a month)	..	18.8
Trade		
ICT goods exports (% of total goods exports)	14.7	12.2
ICT goods imports (% of total goods imports)	17.7	15.1
ICT service exports (% of total service exports)	4.0	5.4
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30
Secure Internet servers (per million people)	3.9	32.2

Low and middle income

	2000	2009
Economic and social context		
Population (millions)	5,034	5,659
Urban population (% of total)	41	45
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,128	2,968
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.1	6.4
Adult literacy rate (% ages 15 and older)	78	80
Gross primary, secondary, and tertiary enrollment (%)	59	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)	2.7	3.2
Mobile cellular and fixed-line subscribers per employee	97	624
Telecommunications investment (% of revenue)	27.3	..
Performance		
Access		
Telephone lines (per 100 people)	7.8	12.6
Mobile cellular subscriptions (per 100 people)	4.3	60.7
Fixed broadband Internet subscribers (per 100 people)	0.5	6.2
Personal computers (per 100 people)	1.8	5.1
Households with a television (%)	..	..
Usage		
International voice traffic total (minutes per person per month)		
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	..	280
Quality		
Population covered by mobile cellular network (%)	1.5	18.1
Fixed broadband Internet subscribers (% of total subscribers)	..	76
International Internet bandwidth (bits per second per person)	1.9	37.9
Affordability		
Residential fixed line tariff (\$ a month)		
Mobile cellular prepaid tariff (\$ a month)	..	6.6
Fixed broadband Internet access tariff (\$ a month)	..	7.9
Trade		
ICT goods exports (% of total goods exports)		
ICT goods imports (% of total goods imports)	16.7	16.2
ICT service exports (% of total service exports)	18.0	16.4
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	7.0	13.1
Secure Internet servers (per million people)	..	0.18
	0.9	7.6

Euro area

	2000	2009
Economic and social context		
Population (millions)	312	327
Urban population (% of total)	72	73
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,980	38,872
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.8	1.5
Adult literacy rate (% ages 15 and older)	..	..
Gross primary, secondary, and tertiary enrollment (%)	90	94
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	2.6
Mobile cellular and fixed-line subscribers per employee	408	765
Telecommunications investment (% of revenue)	23.0	14.5
Performance		
Access		
Telephone lines (per 100 people)	53.0	47.9
Mobile cellular subscriptions (per 100 people)	60.3	123.2
Fixed broadband Internet subscribers (per 100 people)	12.4	26.9
Personal computers (per 100 people)	26.0	56.0
Households with a television (%)	95	98
Usage		
International voice traffic, total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	106	146
Internet users (per 100 people)	22.8	67.3
Quality		
Population covered by mobile cellular network (%)	99	99
Fixed broadband Internet subscribers (% of total subscribers)	3.5	80.7
International Internet bandwidth (bits per second per person)	827	32,455
Affordability		
Residential fixed line tariff (\$ a month)	..	27.6
Mobile cellular prepaid tariff (\$ a month)	..	19.6
Fixed broadband Internet access tariff (\$ a month)	..	29.0
Trade		
ICT goods exports (% of total goods exports)	11.6	6.6
ICT goods imports (% of total goods imports)	13.1	8.6
ICT service exports (% of total service exports)	6.0	9.8
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48
Secure Internet servers (per million people)	38.4	544.6

High income

	2000	2009
Economic and social context		
Population (millions)	1,051	1,117
Urban population (% of total)	75	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,241	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.1	2.0
Adult literacy rate (% ages 15 and older)	98	98
Gross primary, secondary, and tertiary enrollment (%)	87	91
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	3.0
Mobile cellular and fixed-line subscribers per employee	354	765
Telecommunications investment (% of revenue)	25.9	15.5
Performance		
Access		
Telephone lines (per 100 people)	55.4	45.1
Mobile cellular subscriptions (per 100 people)	49.9	111.2
Fixed broadband Internet subscribers (per 100 people)	12.8	24.3
Personal computers (per 100 people)	36.4	65.4
Households with a television (%)	..	98
Usage		
International voice traffic total (minutes per person per month)	..	..
Mobile telephone usage (minutes per user per month)	206	343
Internet users (per 100 people)	30.5	72.3
Quality		
Population covered by mobile cellular network (%)	98	99
Fixed broadband Internet subscribers (% of total subscribers)	19.9	89.2
International Internet bandwidth (bits per second per person)	564	19,521
Affordability		
Residential fixed line tariff (\$ a month)	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	28.8
Trade		
ICT goods exports (% of total goods exports)	18.3	12.2
ICT goods imports (% of total goods imports)	17.7	13.3
ICT service exports (% of total service exports)	5.2	8.1
Applications		
E-gov't Web measure index (0–1, 1=highest presence)	..	0.46
Secure Internet servers (per million people)	110.7	905.1

Country tables

China

Data for China do not include data for Hong Kong SAR, China; Macao SAR, China; or Taiwan, China.

Cyprus

GNI and GDP data and data calculated using GNI and GDP refer to the area controlled by the government of the Republic of Cyprus. For more information, see *World Development Indicators 2011* or data.worldbank.org.

Georgia

GNI and GDP data and data calculated using GNI and GDP exclude Abkhazia and South Ossetia. For more information, see *World Development Indicators 2011* or data.worldbank.org

Kosovo, Montenegro, and Serbia

Montenegro declared independence from Serbia and Montenegro on June 3, 2006. Where available, data for each country are shown separately. However, some indicators for Serbia prior to 2006 include data for Montenegro. Moreover, data for most indicators for Serbia from 1999 onward exclude data for Kosovo, which in 1999 became a territory under international administration pursuant to UN Security Council Resolution 1244 (1999). Kosovo became a member of the World Bank on June 29, 2009, and its data are shown where available.

Moldova

GNI and GDP data and data calculated using GNI and GDP exclude Transnistria. For more information, see *World Development Indicators 2011* or data.worldbank.org.

Morocco

GNI and GDP data and data calculated using GNI and GDP include Former Spanish Sahara. For more information, see *World Development Indicators 2011* or data.worldbank.org.

Netherlands Antilles

Netherlands Antilles ceased to exist on October 10, 2010. Curacao and St. Maarten became countries within the Kingdom of Netherlands. Bonaire, St. Eustatius, and Saba became special municipalities of the Netherlands.

Tanzania

GNI and GDP data and data calculated using GNI and GDP refer to mainland Tanzania only. For more information, see *World Development Indicators 2011* or data.worldbank.org.

Afghanistan

South Asia

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	24	30	846
Urban population (% of total)	21	24	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	310	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	10.5	5.4
Adult literacy rate (% ages 15 and older)	..	..	62
Gross primary, secondary, and tertiary enrollment (%)	14	55	56
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	P	
Mobile telephone service	..	P	
Internet service	..	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	0.0	2.9
Mobile cellular and fixed-line subscribers per employee	..	58	301
Telecommunications investment (% of revenue)	..	37.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.1	0.4	1.2
Mobile cellular subscriptions (per 100 people)	0.0	40.3	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	0.1
Personal computers (per 100 people)	..	0.4	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	3.4	2.7
Quality			
Population covered by mobile cellular network (%)	..	75	53
Fixed broadband Internet subscribers (% of total subscribers)	..	50.0	5.4
International Internet bandwidth (bits per second per person)	..	550	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	0.4	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.23	0.09
Secure Internet servers (per million people)	..	0.7	0.6

Albania

	Europe & Central Asia		Upper middle income	
			Upper middle-income group	
	Country data		2000	2009
Economic and social context				
Population (millions)		3	3	1,002
Urban population (% of total)		42	47	75
GNI per capita, <i>World Bank Atlas</i> method (\$)		1,170	4,000	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)		5.2	5.4	4.4
Adult literacy rate (% ages 15 and older)		99	96	92
Gross primary, secondary, and tertiary enrollment (%)		68	68	82
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	3.3
Mobile cellular and fixed-line subscribers per employee		40	871	576
Telecommunications investment (% of revenue)		28.4	10.4	18.0
Performance				
Access				
Telephone lines (per 100 people)		5.0	11.5	22.1
Mobile cellular subscriptions (per 100 people)		1.0	131.9	100.6
Fixed broadband Internet subscribers (per 100 people)		0.2	3.3	19.4
Personal computers (per 100 people)		0.8	4.6	11.2
Households with a television (%)		90	..	93
Usage				
International voice traffic, total (minutes per person per month)		..	21.9	..
Mobile telephone usage (minutes per user per month)		..	56	157
Internet users (per 100 people)		0.1	41.2	34.6
Quality				
Population covered by mobile cellular network (%)		84	99	94
Fixed broadband Internet subscribers (% of total subscribers)		0.0	85.7	41.6
International Internet bandwidth (bits per second per person)		4	1,902	1,120
Affordability				
Residential fixed line tariff (\$ a month)		..	6.0	10.0
Mobile cellular prepaid tariff (\$ a month)		..	13.4	8.8
Fixed broadband Internet access tariff (\$ a month)		..	22.0	18.8
Trade				
ICT goods exports (% of total goods exports)		0.7	1.1	12.2
ICT goods imports (% of total goods imports)		4.3	5.4	15.1
ICT service exports (% of total service exports)		4.8	5.7	5.4
Applications				
E-gov't Web measure index (0–1, 1=highest presence)		..	0.31	0.30
Secure Internet servers (per million people)		0.3	8.5	32.2

Algeria

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	31	35	1,002
Urban population (% of total)	60	66	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,610	4,420	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.2	4.0	4.4
Adult literacy rate (% ages 15 and older)	70	73	92
Gross primary, secondary, and tertiary enrollment (%)	68	74	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>M</i>	<i>P</i>	
Internet service	<i>..</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	2.5	3.3
Mobile cellular and fixed-line subscribers per employee	103	285	576
Telecommunications investment (% of revenue)	23.9	23.7	18.0
Performance			
Access			
Telephone lines (per 100 people)	5.8	7.4	22.1
Mobile cellular subscriptions (per 100 people)	0.3	93.8	100.6
Fixed broadband Internet subscribers (per 100 people)	0.2	0.6	19.4
Personal computers (per 100 people)	0.7	1.1	11.2
Households with a television (%)	<i>..</i>	<i>..</i>	93
Usage			
International voice traffic total (minutes per person per month)	<i>..</i>	2.8	<i>..</i>
Mobile telephone usage (minutes per user per month)	<i>..</i>	222	157
Internet users (per 100 people)	0.5	13.5	34.6
Quality			
Population covered by mobile cellular network (%)	40	82	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	71.1	41.6
International Internet bandwidth (bits per second per person)	0	5	1,120
Affordability			
Residential fixed line tariff (\$ a month)	<i>..</i>	4.2	10.0
Mobile cellular prepaid tariff (\$ a month)	<i>..</i>	6.3	8.8
Fixed broadband Internet access tariff (\$ a month)	<i>..</i>	15.4	18.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	12.2
ICT goods imports (% of total goods imports)	5.9	4.9	15.1
ICT service exports (% of total service exports)	<i>..</i>	<i>..</i>	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	<i>..</i>	0.10	0.30
Secure Internet servers (per million people)	<i>..</i>	0.9	32.2

American Samoa

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.06	0.07	1,002
Urban population (% of total)	89	93	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4
Adult literacy rate (% ages 15 and older)	92
Gross primary, secondary, and tertiary enrollment (%)	82
Structure			
Separate telecommunications regulator	..	Yes	
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 cellular and fixed-line subscribers per employee	82	..	576
Telecommunications investment (% of revenue)	18.0
Performance			
Access			
Telephone lines (per 100 people)	17.8	15.5	22.1
Mobile cellular subscriptions (per 100 people)	3.5	3.6	100.6
Fixed broadband Internet subscribers (per 100 people)	19.4
Personal computers (per 100 people)	11.2
Households with a television (%)	93
Usage			
International voice traffic, total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	157
Internet users (per 100 people)	34.6
Quality			
Population covered by mobile cellular network (%)	94
Fixed broadband Internet subscribers (% of total subscribers)	41.6
International Internet bandwidth (bits per second per person)	1,120
Affordability			
Residential fixed line tariff (\$ a month)	10.0
Mobile cellular prepaid tariff (\$ a month)	8.8
Fixed broadband Internet access tariff (\$ a month)	18.8
Trade			
ICT goods exports (% of total goods exports)	12.2
ICT goods imports (% of total goods imports)	15.1
ICT service exports (% of total service exports)	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	0.30
Secure Internet servers (per million people)	..	29.3	32.2

Andorra

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	..	0.09	1,117
Urban population (% of total)	92	88	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	41,130	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.6	5.9	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	65	66	91
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)	..	3.6	3.0
Mobile cellular and fixed-line subscribers per employee	..	415	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	..	44.6	45.1
Mobile cellular subscriptions (per 100 people)	..	76.6	111.2
Fixed broadband Internet subscribers (per 100 people)	..	33.1	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	..	70.5	72.3
Quality			
Population covered by mobile cellular network (%)	91	99	99
Fixed broadband Internet subscribers (% of total subscribers)	19.1	72.4	89.2
International Internet bandwidth (bits per second per person)	..	16,466	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	4.5	11.4	12.2
ICT goods imports (% of total goods imports)	8.8	14.0	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.23	0.46
Secure Internet servers (per million people)	..	901.2	905.1

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	14	18	3,811
Urban population (% of total)	49	58	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	410	3,750	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.3	13.1	8.5
Adult literacy rate (% ages 15 and older)	67	70	80
Gross primary, secondary, and tertiary enrollment (%)	..	..	64
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>P</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	2.0	3.0
Mobile cellular and fixed-line subscribers per employee	43	586	605
Telecommunications investment (% of revenue)	..	25.3	22.4
Performance			
Access			
Telephone lines (per 100 people)	0.5	1.6	12.7
Mobile cellular subscriptions (per 100 people)	0.2	43.8	57.8
Fixed broadband Internet subscribers (per 100 people)	0.0	0.6	5.5
Personal computers (per 100 people)	0.1	0.6	4.5
Households with a television (%)	..	36	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	103	342
Internet users (per 100 people)	0.1	3.3	17.2
Quality			
Population covered by mobile cellular network (%)	..	40	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	14.9	40.1
International Internet bandwidth (bits per second per person)	0	17	151
Affordability			
Residential fixed line tariff (\$ a month)	..	16.6	4.7
Mobile cellular prepaid tariff (\$ a month)	..	11.0	7.1
Fixed broadband Internet access tariff (\$ a month)	..	157.4	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	0.0	5.4	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.34	0.24
Secure Internet servers (per million people)	..	2.7	2.7

Antigua and Barbuda

	Latin American & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.08	0.09	1,002
Urban population (% of total)	32	30	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,960	12,130	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	5.2	4.4
Adult literacy rate (% ages 15 and older)	99	99	92
Gross primary, secondary, and tertiary enrollment (%)	..	..	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>	P	
Internet service	<i>M</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile cellular and fixed-line subscribers per employee	128	..	576
Telecommunications investment (% of revenue)	..	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	49.7	42.6	22.1
Mobile cellular subscriptions (per 100 people)	28.5	154.0	100.6
Fixed broadband Internet subscribers (per 100 people)	..	17.8	19.4
Personal computers (per 100 people)	10.2	20.7	11.2
Households with a television (%)	89	..	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	6.5	74.2	34.6
Quality			
Population covered by mobile cellular network (%)	85	100	94
Fixed broadband Internet subscribers (% of total subscribers)	..	95.5	41.6
International Internet bandwidth (bits per second per person)	356	13,699	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	14.7	10.0
Mobile cellular prepaid tariff (\$ a month)	..	12.2	8.8
Fixed broadband Internet access tariff (\$ a month)	..	47.8	18.8
Trade			
ICT goods exports (% of total goods exports)	40.6	9.7	12.2
ICT goods imports (% of total goods imports)	10.1	8.2	15.1
ICT service exports (% of total service exports)	4.4	3.4	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.12	0.30
Secure Internet servers (per million people)	241.6	1,084.1	32.2

Argentina

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	37	40	1,002
Urban population (% of total)	90	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,460	7,550	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.7	5.4	4.4
Adult literacy rate (% ages 15 and older)	97	98	92
Gross primary, secondary, and tertiary enrollment (%)	88	91	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 cellular and fixed-line subscribers per employee	700	1,929	576
Telecommunications investment (% of revenue)	20.1	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	21.4	24.2	22.1
Mobile cellular subscriptions (per 100 people)	17.6	128.8	100.6
Fixed broadband Internet subscribers (per 100 people)	3.3	9.4	19.4
Personal computers (per 100 people)	6.9	9.0	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	89	91	157
Internet users (per 100 people)	7.0	30.4	34.6
Quality			
Population covered by mobile cellular network (%)	30	94	94
Fixed broadband Internet subscribers (% of total subscribers)	5.7	85.2	41.6
International Internet bandwidth (bits per second per person)	12	2,320	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	3.9	10.0
Mobile cellular prepaid tariff (\$ a month)	..	13.7	8.8
Fixed broadband Internet access tariff (\$ a month)	..	31.2	18.8
Trade			
ICT goods exports (% of total goods exports)	0.7	0.4	12.2
ICT goods imports (% of total goods imports)	15.3	11.2	15.1
ICT service exports (% of total service exports)	6.5	12.2	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.30
Secure Internet servers (per million people)	6.4	25.9	32.2

Armenia

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	3	3,811
Urban population (% of total)	65	64	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	660	3,100	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.1	10.5	8.5
Adult literacy rate (% ages 15 and older)	99	100	80
Gross primary, secondary, and tertiary enrollment (%)	76	75	64
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	4.5	3.0
Mobile cellular and fixed-line subscribers per employee	71	173	605
Telecommunications investment (% of revenue)	46.3	23.6	22.4
Performance			
Access			
Telephone lines (per 100 people)	17.3	20.4	12.7
Mobile cellular subscriptions (per 100 people)	0.6	85.0	57.8
Fixed broadband Internet subscribers (per 100 people)	0.4	2.9	5.5
Personal computers (per 100 people)	0.8	9.7	4.5
Households with a television (%)	89	97	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	209	342
Internet users (per 100 people)	1.3	6.8	17.2
Quality			
Population covered by mobile cellular network (%)	38	88	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.1	40.1
International Internet bandwidth (bits per second per person)	3	22	151
Affordability			
Residential fixed line tariff (\$ a month)	..	4.1	4.7
Mobile cellular prepaid tariff (\$ a month)	..	5.8	7.1
Fixed broadband Internet access tariff (\$ a month)	..	31.5	30.4
Trade			
ICT goods exports (% of total goods exports)	2.1	1.5	21.3
ICT goods imports (% of total goods imports)	7.0	5.0	18.4
ICT service exports (% of total service exports)	13.0	16.1	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.24
Secure Internet servers (per million people)	0.3	17.5	2.7

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.09	0.11	1,117
Urban population (% of total)	47	47	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	..	2.0
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, and tertiary enrollment (%)	87	84	91
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	..	3.0
Mobile cellular and fixed-line subscribers per employee	130	422	765
Telecommunications investment (% of revenue)	..	15.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	42.0	36.0	45.1
Mobile cellular subscriptions (per 100 people)	16.5	120.2	111.2
Fixed broadband Internet subscribers (per 100 people)	8.6	17.4	24.3
Personal computers (per 100 people)	..	9.7	65.4
Households with a television (%)	..	97	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	15.4	22.5	72.3
Quality			
Population covered by mobile cellular network (%)	..	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	100.0	89.2
International Internet bandwidth (bits per second per person)	970	11,778	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	0.6	12.2
ICT goods imports (% of total goods imports)	..	5.6	13.3
ICT service exports (% of total service exports)	1.1	1.1	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	32.3	344.6	905.1

Australia

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	19	22	1,117
Urban population (% of total)	87	89	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,260	43,770	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	3.3	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	115	114	91
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)	3.1	3.4	3.0
Mobile cellular and fixed-line subscribers per employee	181	346	765
Telecommunications investment (% of revenue)	30.9	18.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	52.5	41.2	45.1
Mobile cellular subscriptions (per 100 people)	44.7	110.7	111.2
Fixed broadband Internet subscribers (per 100 people)	20.5	28.8	24.3
Personal computers (per 100 people)	47.0	60.3	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	98	111	343
Internet users (per 100 people)	46.8	72.0	72.3
Quality			
Population covered by mobile cellular network (%)	96	99	99
Fixed broadband Internet subscribers (% of total subscribers)	2.9	85.7	89.2
International Internet bandwidth (bits per second per person)	128	5,457	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	26.0	22.8
Mobile cellular prepaid tariff (\$ a month)	..	34.9	14.8
Fixed broadband Internet access tariff (\$ a month)	..	26.0	28.8
Trade			
ICT goods exports (% of total goods exports)	3.2	1.4	12.2
ICT goods imports (% of total goods imports)	16.3	11.4	13.3
ICT service exports (% of total service exports)	7.0	4.9	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.77	0.46
Secure Internet servers (per million people)	176.3	1,760.9	905.1

Austria

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	8	1,117
Urban population (% of total)	66	67	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,840	46,450	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.0	2.0	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	90	89	91
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)	2.4	1.7	3.0
Mobile cellular and fixed-line subscribers per employee	545	843	765
Telecommunications investment (% of revenue)	18.8	14.4	15.5
Performance			
Access			
Telephone lines (per 100 people)	49.9	38.9	45.1
Mobile cellular subscriptions (per 100 people)	76.4	140.8	111.2
Fixed broadband Internet subscribers (per 100 people)	13.1	25.6	24.3
Personal computers (per 100 people)	36.2	60.7	65.4
Households with a television (%)	93	97	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	123	194	343
Internet users (per 100 people)	33.7	73.5	72.3
Quality			
Population covered by mobile cellular network (%)	98	99	99
Fixed broadband Internet subscribers (% of total subscribers)	18.1	87.7	89.2
International Internet bandwidth (bits per second per person)	1,034	20,323	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	27.3	22.8
Mobile cellular prepaid tariff (\$ a month)	..	6.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	36.1	28.8
Trade			
ICT goods exports (% of total goods exports)	7.9	5.5	12.2
ICT goods imports (% of total goods imports)	10.9	7.0	13.3
ICT service exports (% of total service exports)	3.4	6.5	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.46
Secure Internet servers (per million people)	83.2	856.9	905.1

Azerbaijan

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	9	1,002
Urban population (% of total)	51	52	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	610	4,840	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	7.3	17.9	4.4
Adult literacy rate (% ages 15 and older)	99	100	92
Gross primary, secondary, and tertiary enrollment (%)	72	77	82
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>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	2.4	3.3
Mobile cellular and fixed-line subscribers per employee	123	484	576
Telecommunications investment (% of revenue)	27.9	17.6	18.0
Performance			
Access			
Telephone lines (per 100 people)	10.0	15.9	22.1
Mobile cellular subscriptions (per 100 people)	5.2	88.3	100.6
Fixed broadband Internet subscribers (per 100 people)	0.0	5.9	19.4
Personal computers (per 100 people)	0.7	8.0	11.2
Households with a television (%)	..	99	93
Usage			
International voice traffic total (minutes per person per month)	..	6.4	..
Mobile telephone usage (minutes per user per month)	..	97	157
Internet users (per 100 people)	0.1	42.0	34.6
Quality			
Population covered by mobile cellular network (%)	94	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	19.2	41.6
International Internet bandwidth (bits per second per person)	0	1,399	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	2.5	10.0
Mobile cellular prepaid tariff (\$ a month)	..	4.4	8.8
Fixed broadband Internet access tariff (\$ a month)	..	48.8	18.8
Trade			
ICT goods exports (% of total goods exports)	0.3	0.0	12.2
ICT goods imports (% of total goods imports)	10.6	8.5	15.1
ICT service exports (% of total service exports)	..	4.7	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32	0.30
Secure Internet servers (per million people)	0.1	5.2	32.2

Bahamas, The

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.30	0.34	1,117
Urban population (% of total)	82	84	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	17,040	21,390	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.5	1.3	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	67	74	91
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>M</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	132	396	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	37.5	37.7	45.1
Mobile cellular subscriptions (per 100 people)	10.3	105.0	111.2
Fixed broadband Internet subscribers (per 100 people)	2.7	11.3	24.3
Personal computers (per 100 people)	8.9	12.3	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	4.3	33.9	72.3
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband Internet subscribers (% of total subscribers)	34.0	81.9	89.2
International Internet bandwidth (bits per second per person)	146	1,814	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	0.6	0.6	12.2
ICT goods imports (% of total goods imports)	3.9	3.0	13.3
ICT service exports (% of total service exports)	..	0.0	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.23	0.46
Secure Internet servers (per million people)	71.2	367.3	905.1

Bahrain

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.65	0.79	1,117
Urban population (% of total)	88	89	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,740	25,420	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.3	6.6	2.0
Adult literacy rate (% ages 15 and older)	87	91	98
Gross primary, secondary, and tertiary enrollment (%)	83	85	91
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>M</i>	<i>P</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.9	4.1	3.0
Mobile cellular and fixed-line subscribers per employee	180	554	765
Telecommunications investment (% of revenue)	21.4	14.9	15.5
Performance			
Access			
Telephone lines (per 100 people)	26.3	30.1	45.1
Mobile cellular subscriptions (per 100 people)	31.6	199.4	111.2
Fixed broadband Internet subscribers (per 100 people)	3.4	14.8	24.3
Personal computers (per 100 people)	14.6	74.6	65.4
Households with a television (%)	97	98	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	6.2	82.0	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	96.1	89.2
International Internet bandwidth (bits per second per person)	293	2,521	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	4.7	22.8
Mobile cellular prepaid tariff (\$ a month)	..	6.7	14.8
Fixed broadband Internet access tariff (\$ a month)	..	26.3	28.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	12.2
ICT goods imports (% of total goods imports)	3.6	2.3	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.73	0.46
Secure Internet servers (per million people)	16.5	152.4	905.1

Bangladesh

South Asia

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	141	162	846
Urban population (% of total)	24	28	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	350	580	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.2	5.9	5.4
Adult literacy rate (% ages 15 and older)	47	56	62
Gross primary, secondary, and tertiary enrollment (%)	..	49	56
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>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	1.5	2.9
Mobile cellular and fixed-line subscribers per employee	48	..	301
Telecommunications investment (% of revenue)	25.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.9	1.2
Mobile cellular subscriptions (per 100 people)	0.2	31.1	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.1	2.3	0.9
Households with a television (%)	18	30	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	313	260	..
Internet users (per 100 people)	0.1	0.4	2.7
Quality			
Population covered by mobile cellular network (%)	40	90	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	4	7
Affordability			
Residential fixed line tariff (\$ a month)	..	1.6	8.8
Mobile cellular prepaid tariff (\$ a month)	..	1.3	8.0
Fixed broadband Internet access tariff (\$ a month)	..	50.4	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.6	0.6
ICT goods imports (% of total goods imports)	2.9	5.7	5.9
ICT service exports (% of total service exports)	3.0	11.5	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.36	0.09
Secure Internet servers (per million people)	0.0	0.3	0.6

Barbados

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.25	0.26	1,117
Urban population (% of total)	36	40	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,670	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.7	..	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Private</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>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	5.8	3.0
Mobile cellular and fixed-line subscribers per employee	172	365	765
Telecommunications investment (% of revenue)	15.8	12.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	49.2	53.0	45.1
Mobile cellular subscriptions (per 100 people)	11.3	131.7	111.2
Fixed broadband Internet subscribers (per 100 people)	..	23.8	24.3
Personal computers (per 100 people)	8.7	15.8	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	4.0	56.1	72.3
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband Internet subscribers (% of total subscribers)	..	94.0	89.2
International Internet bandwidth (bits per second per person)	..	13,991	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	19.7	22.8
Mobile cellular prepaid tariff (\$ a month)	..	10.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	34.5	28.8
Trade			
ICT goods exports (% of total goods exports)	9.1	6.1	12.2
ICT goods imports (% of total goods imports)	8.7	7.4	13.3
ICT service exports (% of total service exports)	4.4	2.7	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.20	0.46
Secure Internet servers (per million people)	55.7	350.8	905.1

Belarus

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	10	10	1,002
Urban population (% of total)	70	74	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,380	5,560	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.7	8.4	4.4
Adult literacy rate (% ages 15 and older)	100	100	92
Gross primary, secondary, and tertiary enrollment (%)	87	90	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>C</i>	<i>C</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	2.1	3.3
Mobile cellular and fixed-line subscribers per employee	105	280	576
Telecommunications investment (% of revenue)	28.8	41.3	18.0
Performance			
Access			
Telephone lines (per 100 people)	27.5	41.1	22.1
Mobile cellular subscriptions (per 100 people)	0.5	100.2	100.6
Fixed broadband Internet subscribers (per 100 people)	0.0	16.9	19.4
Personal computers (per 100 people)	..	0.8	11.2
Households with a television (%)	85	95	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	320	157
Internet users (per 100 people)	1.9	45.9	34.6
Quality			
Population covered by mobile cellular network (%)	62	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	67.0	41.6
International Internet bandwidth (bits per second per person)	2	2,277	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	1.0	10.0
Mobile cellular prepaid tariff (\$ a month)	..	3.4	8.8
Fixed broadband Internet access tariff (\$ a month)	..	7.2	18.8
Trade			
ICT goods exports (% of total goods exports)	1.9	0.7	12.2
ICT goods imports (% of total goods imports)	2.9	2.4	15.1
ICT service exports (% of total service exports)	5.4	9.0	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.30
Secure Internet servers (per million people)	0.4	9.3	32.2

Belgium

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	10	11	1,117
Urban population (% of total)	97	97	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,400	45,270	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.9	1.7	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	108	94	91
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)	1.9	2.8	3.0
Mobile cellular and fixed-line subscribers per employee	374	732	765
Telecommunications investment (% of revenue)	33.7	13.3	15.5
Performance			
Access			
Telephone lines (per 100 people)	49.1	39.4	45.1
Mobile cellular subscriptions (per 100 people)	54.9	115.1	111.2
Fixed broadband Internet subscribers (per 100 people)	11.2	29.7	24.3
Personal computers (per 100 people)	22.4	37.7	65.4
Households with a television (%)	..	99	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	105	148	343
Internet users (per 100 people)	29.3	75.2	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	12.5	97.8	89.2
International Internet bandwidth (bits per second per person)	1,829	24,945	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	33.6	22.8
Mobile cellular prepaid tariff (\$ a month)	..	20.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	29.0	28.8
Trade			
ICT goods exports (% of total goods exports)	6.2	2.8	12.2
ICT goods imports (% of total goods imports)	7.6	4.3	13.3
ICT service exports (% of total service exports)	9.2	9.8	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.63	0.46
Secure Internet servers (per million people)	33.2	490.4	905.1

Latin America & Caribbean	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.25	0.33	3,811
Urban population (% of total)	48	52	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,110	3,740	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.8	4.2	8.5
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	69	75	64
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>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	5.2	3.0
Mobile cellular and fixed-line subscribers per employee	132	272	605
Telecommunications investment (% of revenue)	15.1	24.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	14.3	9.4	12.7
Mobile cellular subscriptions (per 100 people)	6.7	48.6	57.8
Fixed broadband Internet subscribers (per 100 people)	1.7	2.4	5.5
Personal computers (per 100 people)	12.0	14.4	4.5
Households with a television (%)	70	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	6.0	10.8	17.2
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.3	40.1
International Internet bandwidth (bits per second per person)	12	2,401	151
Affordability			
Residential fixed line tariff (\$ a month)	..	17.5	4.7
Mobile cellular prepaid tariff (\$ a month)	..	14.9	7.1
Fixed broadband Internet access tariff (\$ a month)	..	55.0	30.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	21.3
ICT goods imports (% of total goods imports)	4.5	4.9	18.4
ICT service exports (% of total service exports)	4.7	4.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16	0.24
Secure Internet servers (per million people)	31.1	301.7	2.7

Benin

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	7	9	846
Urban population (% of total)	38	42	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	360	750	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.3	4.0	5.4
Adult literacy rate (% ages 15 and older)	35	42	62
Gross primary, secondary, and tertiary enrollment (%)	44	58	56
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	..	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	M	
Mobile telephone service	M	C	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.0	2.9
Mobile cellular and fixed-line subscribers per employee	87	1,652	301
Telecommunications investment (% of revenue)	54.2	5.2	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.4	1.2
Mobile cellular subscriptions (per 100 people)	0.8	56.3	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.2	0.1
Personal computers (per 100 people)	0.2	0.7	0.9
Households with a television (%)	16	25	..
Usage			
International voice traffic total (minutes per person per month)	..	25.8	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	2.2	2.7
Quality			
Population covered by mobile cellular network (%)	23	80	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	9.3	5.4
International Internet bandwidth (bits per second per person)	0	35	7
Affordability			
Residential fixed line tariff (\$ a month)	..	10.0	8.8
Mobile cellular prepaid tariff (\$ a month)	..	14.8	8.0
Fixed broadband Internet access tariff (\$ a month)	..	117.7	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	0.6
ICT goods imports (% of total goods imports)	3.3	3.5	5.9
ICT service exports (% of total service exports)	3.1	0.7	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.12	0.09
Secure Internet servers (per million people)	0.1	0.1	0.6

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.06	0.06	1,117
Urban population (% of total)	100	100	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.6	3.2	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	87	73	91
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	3.0
Mobile cellular and fixed-line subscribers per employee	151	178	765
Telecommunications investment (% of revenue)	33.0	11.3	15.5
Performance			
Access			
Telephone lines (per 100 people)	90.2	89.6	45.1
Mobile cellular subscriptions (per 100 people)	20.9	132.0	111.2
Fixed broadband Internet subscribers (per 100 people)	..	59.4	24.3
Personal computers (per 100 people)	48.3	22.5	65.4
Households with a television (%)	..	96	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	43.5	83.9	72.3
Quality			
Population covered by mobile cellular network (%)	..	98	99
Fixed broadband Internet subscribers (% of total subscribers)	..	62.4	89.2
International Internet bandwidth (bits per second per person)	..	8,699	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	496.3	5,897.8	905.1

Bhutan

	South Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.56	0.70	3,811
Urban population (% of total)	25	36	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	2,020	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.2	8.8	8.5
Adult literacy rate (% ages 15 and older)	..	53	80
Gross primary, secondary, and tertiary enrollment (%)	50	62	64
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>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	2.2	3.0
Mobile cellular and fixed-line subscribers per employee	41	449	605
Telecommunications investment (% of revenue)	26.2	81.1	22.4
Performance			
Access			
Telephone lines (per 100 people)	2.5	3.8	12.7
Mobile cellular subscriptions (per 100 people)	0.0	46.9	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	1.0	5.5
Personal computers (per 100 people)	0.9	2.0	4.5
Households with a television (%)	..	38	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.4	7.2	17.2
Quality			
Population covered by mobile cellular network (%)	..	21	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	46.6	40.1
International Internet bandwidth (bits per second per person)	2	222	151
Affordability			
Residential fixed line tariff (\$ a month)	..	3.0	4.7
Mobile cellular prepaid tariff (\$ a month)	..	2.0	7.1
Fixed broadband Internet access tariff (\$ a month)	..	10.0	30.4
Trade			
ICT goods exports (% of total goods exports)	..	2.6	21.3
ICT goods imports (% of total goods imports)	12.3	6.0	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.19	0.24
Secure Internet servers (per million people)	..	4.2	2.7

Latin America & Caribbean	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	10	3,811
Urban population (% of total)	62	66	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,000	1,630	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	4.1	8.5
Adult literacy rate (% ages 15 and older)	87	91	80
Gross primary, secondary, and tertiary enrollment (%)	84	82	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	451	376	605
Telecommunications investment (% of revenue)	43.4	3.8	22.4
Performance			
Access			
Telephone lines (per 100 people)	6.1	8.2	12.7
Mobile cellular subscriptions (per 100 people)	7.0	72.5	57.8
Fixed broadband Internet subscribers (per 100 people)	0.5	3.6	5.5
Personal computers (per 100 people)	1.7	2.4	4.5
Households with a television (%)	61	69	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.4	11.2	17.2
Quality			
Population covered by mobile cellular network (%)	43	46	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	80.4	40.1
International Internet bandwidth (bits per second per person)	2	225	151
Affordability			
Residential fixed line tariff (\$ a month)	..	23.5	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.3	7.1
Fixed broadband Internet access tariff (\$ a month)	..	35.2	30.4
Trade			
ICT goods exports (% of total goods exports)	0.7	0.0	21.3
ICT goods imports (% of total goods imports)	7.6	4.6	18.4
ICT service exports (% of total service exports)	15.9	12.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.24
Secure Internet servers (per million people)	0.6	7.9	2.7

Bosnia and Herzegovina

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	4	1,002
Urban population (% of total)	43	48	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,510	4,700	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	25.2	5.0	4.4
Adult literacy rate (% ages 15 and older)	97	98	92
Gross primary, secondary, and tertiary enrollment (%)	..	74	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>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	5.5	3.3
Mobile cellular and fixed-line subscribers per employee	480	567	576
Telecommunications investment (% of revenue)	22.8	20.2	18.0
Performance			
Access			
Telephone lines (per 100 people)	21.1	26.5	22.1
Mobile cellular subscriptions (per 100 people)	2.5	86.5	100.6
Fixed broadband Internet subscribers (per 100 people)	0.4	10.6	19.4
Personal computers (per 100 people)	3.8	6.4	11.2
Households with a television (%)	..	97	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	1.1	37.7	34.6
Quality			
Population covered by mobile cellular network (%)	60	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	73.2	41.6
International Internet bandwidth (bits per second per person)	7	1,195	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	8.8	10.0
Mobile cellular prepaid tariff (\$ a month)	..	9.4	8.8
Fixed broadband Internet access tariff (\$ a month)	..	18.5	18.8
Trade			
ICT goods exports (% of total goods exports)	..	0.6	12.2
ICT goods imports (% of total goods imports)	..	3.7	15.1
ICT service exports (% of total service exports)	..	9.2	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.30
Secure Internet servers (per million people)	..	16.0	32.2

Botswana

	Sub-Saharan Africa		Upper middle income	
			Upper middle-income group	
	Country data		2000	2009
Economic and social context				
Population (millions)		2	2	1,002
Urban population (% of total)		53	60	75
GNI per capita, <i>World Bank Atlas</i> method (\$)		3,180	6,260	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)		7.8	4.4	4.4
Adult literacy rate (% ages 15 and older)		..	84	92
Gross primary, secondary, and tertiary enrollment (%)		72	72	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>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	2.9	3.3
Mobile cellular and fixed-line subscribers per employee		202	1,018	576
Telecommunications investment (% of revenue)		13.9	122.2	18.0
Performance				
Access				
Telephone lines (per 100 people)		7.9	7.4	22.1
Mobile cellular subscriptions (per 100 people)		12.9	96.1	100.6
Fixed broadband Internet subscribers (per 100 people)		0.9	0.5	19.4
Personal computers (per 100 people)		3.5	6.2	11.2
Households with a television (%)		10	..	93
Usage				
International voice traffic, total (minutes per person per month)	
Mobile telephone usage (minutes per user per month)		157
Internet users (per 100 people)		2.9	6.2	34.6
Quality				
Population covered by mobile cellular network (%)		90	99	94
Fixed broadband Internet subscribers (% of total subscribers)		0.0	89.0	41.6
International Internet bandwidth (bits per second per person)		3	220	1,120
Affordability				
Residential fixed line tariff (\$ a month)		..	18.0	10.0
Mobile cellular prepaid tariff (\$ a month)		..	8.1	8.8
Fixed broadband Internet access tariff (\$ a month)		..	62.2	18.8
Trade				
ICT goods exports (% of total goods exports)		0.7	0.4	12.2
ICT goods imports (% of total goods imports)		6.0	5.5	15.1
ICT service exports (% of total service exports)		0.1	3.3	5.4
Applications				
E-gov't Web measure index (0–1, 1=highest presence)		..	0.20	0.30
Secure Internet servers (per million people)		..	8.6	32.2

Brazil

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2009
Economic and social context			
Population (millions)	174	194	1,002
Urban population (% of total)	81	86	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,870	8,070	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.7	3.6	4.4
Adult literacy rate (% ages 15 and older)	86	90	92
Gross primary, secondary, and tertiary enrollment (%)	90	85	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	Mixed	
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)	3.4	4.5	3.3
Mobile cellular and fixed-line subscribers per employee	516	358	576
Telecommunications investment (% of revenue)	39.8	12.6	18.0
Performance			
Access			
Telephone lines (per 100 people)	17.8	21.4	22.1
Mobile cellular subscriptions (per 100 people)	13.3	89.8	100.6
Fixed broadband Internet subscribers (per 100 people)	1.3	8.3	19.4
Personal computers (per 100 people)	4.9	16.1	11.2
Households with a television (%)	89	97	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	249	86	157
Internet users (per 100 people)	2.9	39.2	34.6
Quality			
Population covered by mobile cellular network (%)	..	91	94
Fixed broadband Internet subscribers (% of total subscribers)	4.4	90.0	41.6
International Internet bandwidth (bits per second per person)	5	2,108	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	13.4	10.0
Mobile cellular prepaid tariff (\$ a month)	..	34.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	28.0	18.8
Trade			
ICT goods exports (% of total goods exports)	4.6	1.8	12.2
ICT goods imports (% of total goods imports)	16.4	11.4	15.1
ICT service exports (% of total service exports)	0.7	2.0	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.30
Secure Internet servers (per million people)	5.8	40.6	32.2

Brunei Darussalam

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.33	0.40	1,117
Urban population (% of total)	71	75	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,670	27,050	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.0	2.1	2.0
Adult literacy rate (% ages 15 and older)	93	95	98
Gross primary, secondary, and tertiary enrollment (%)	75	78	91
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)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	..	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	24.1	20.2	45.1
Mobile cellular subscriptions (per 100 people)	28.5	106.7	111.2
Fixed broadband Internet subscribers (per 100 people)	6.7	25.1	24.3
Personal computers (per 100 people)	6.9	8.9	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	9.0	79.8	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	8.2	20.0	89.2
International Internet bandwidth (bits per second per person)	180	1,581	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	12.2
ICT goods imports (% of total goods imports)	6.4	6.6	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.46
Secure Internet servers (per million people)	8.8	63.9	905.1

Bulgaria

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	8	1,002
Urban population (% of total)	69	71	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,640	6,060	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.7	5.4	4.4
Adult literacy rate (% ages 15 and older)	98	98	92
Gross primary, secondary, and tertiary enrollment (%)	79	84	82
Structure			
Separate telecommunications regulator	Yes	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	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	5.1	3.3
Mobile cellular and fixed-line subscribers per employee	140	565	576
Telecommunications investment (% of revenue)	14.0	22.5	18.0
Performance			
Access			
Telephone lines (per 100 people)	35.8	28.5	22.1
Mobile cellular subscriptions (per 100 people)	9.2	140.0	100.6
Fixed broadband Internet subscribers (per 100 people)	0.1	11.2	19.4
Personal computers (per 100 people)	4.5	11.0	11.2
Households with a television (%)	..	98	93
Usage			
International voice traffic total (minutes per person per month)	..	8.7	..
Mobile telephone usage (minutes per user per month)	..	103	157
Internet users (per 100 people)	5.3	44.8	34.6
Quality			
Population covered by mobile cellular network (%)	95	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.9	41.6
International Internet bandwidth (bits per second per person)	5	37,657	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	13.8	10.0
Mobile cellular prepaid tariff (\$ a month)	..	17.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	14.8	18.8
Trade			
ICT goods exports (% of total goods exports)	1.0	3.6	12.2
ICT goods imports (% of total goods imports)	5.2	6.4	15.1
ICT service exports (% of total service exports)	2.3	5.6	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.30
Secure Internet servers (per million people)	2.3	73.3	32.2

Burkina Faso

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	12	16	846
Urban population (% of total)	17	20	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	510	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.8	5.4	5.4
Adult literacy rate (% ages 15 and older)	..	29	62
Gross primary, secondary, and tertiary enrollment (%)	22	33	56
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>	P	
Internet service	<i>C</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	4.0	2.9
Mobile cellular and fixed-line subscribers per employee	62	440	301
Telecommunications investment (% of revenue)	38.0	88.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.5	1.1	1.2
Mobile cellular subscriptions (per 100 people)	0.2	20.9	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.1	0.6	0.9
Households with a television (%)	6	18	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.1	2.7
Quality			
Population covered by mobile cellular network (%)	22	61	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	26.5	5.4
International Internet bandwidth (bits per second per person)	0	15	7
Affordability			
Residential fixed line tariff (\$ a month)	..	11.5	8.8
Mobile cellular prepaid tariff (\$ a month)	..	14.4	8.0
Fixed broadband Internet access tariff (\$ a month)	..	91.3	89.9
Trade			
ICT goods exports (% of total goods exports)	0.9	0.0	0.6
ICT goods imports (% of total goods imports)	4.2	2.0	5.9
ICT service exports (% of total service exports)	7.2	11.6	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16	0.09
Secure Internet servers (per million people)	..	0.2	0.6

Burundi

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	6	8	846
Urban population (% of total)	8	11	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	120	150	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-0.7	3.0	5.4
Adult literacy rate (% ages 15 and older)	59	67	62
Gross primary, secondary, and tertiary enrollment (%)	30	55	56
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	3.1	2.9
Mobile cellular and fixed-line subscribers per employee	65	492	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.4	1.2
Mobile cellular subscriptions (per 100 people)	0.3	10.1	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.1	0.9	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.8	2.7
Quality			
Population covered by mobile cellular network (%)	..	80	53
Fixed broadband Internet subscribers (% of total subscribers)	..	3.2	5.4
International Internet bandwidth (bits per second per person)	0	2	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	1.9	0.6
ICT goods imports (% of total goods imports)	..	10.9	5.9
ICT service exports (% of total service exports)	0.0	0.0	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.09
Secure Internet servers (per million people)	..	0.2	0.6

Cambodia

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	13	15	846
Urban population (% of total)	17	22	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	650	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	7.3	9.0	5.4
Adult literacy rate (% ages 15 and older)	67	78	62
Gross primary, secondary, and tertiary enrollment (%)	50	57	56
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	<i>P</i>	<i>P</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)	0.6	0.4	2.9
Mobile cellular and fixed-line subscribers per employee	241	1,712	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.4	1.2
Mobile cellular subscriptions (per 100 people)	1.0	37.8	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.1	0.4	0.9
Households with a television (%)	33	55	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	34	..
Internet users (per 100 people)	0.0	0.5	2.7
Quality			
Population covered by mobile cellular network (%)	80	87	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	92.2	5.4
International Internet bandwidth (bits per second per person)	0	19	7
Affordability			
Residential fixed line tariff (\$ a month)	..	7.8	8.8
Mobile cellular prepaid tariff (\$ a month)	..	5.0	8.0
Fixed broadband Internet access tariff (\$ a month)	..	88.5	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	0.6
ICT goods imports (% of total goods imports)	2.4	4.0	5.9
ICT service exports (% of total service exports)	8.8	6.5	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.09
Secure Internet servers (per million people)	0.2	1.6	0.6

Cameroon

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	16	20	3,811
Urban population (% of total)	50	58	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	1,190	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.8	3.3	8.5
Adult literacy rate (% ages 15 and older)	68	71	80
Gross primary, secondary, and tertiary enrollment (%)	45	57	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	90	1,050	605
Telecommunications investment (% of revenue)	62.8	37.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.7	12.7
Mobile cellular subscriptions (per 100 people)	0.7	37.9	57.8
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	5.5
Personal computers (per 100 people)	0.3	1.1	4.5
Households with a television (%)	18	32	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.3	3.8	17.2
Quality			
Population covered by mobile cellular network (%)	37	58	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	3.6	40.1
International Internet bandwidth (bits per second per person)	0	23	151
Affordability			
Residential fixed line tariff (\$ a month)	..	14.1	4.7
Mobile cellular prepaid tariff (\$ a month)	..	14.0	7.1
Fixed broadband Internet access tariff (\$ a month)	..	88.6	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	21.3
ICT goods imports (% of total goods imports)	3.0	3.2	18.4
ICT service exports (% of total service exports)	1.4	6.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.15	0.24
Secure Internet servers (per million people)	..	0.6	2.7

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	31	34	1,117
Urban population (% of total)	80	81	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	22,130	41,980	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.3	2.1	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	95	93	91
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	2.5	3.0
Mobile cellular and fixed-line subscribers per employee	331	424	765
Telecommunications investment (% of revenue)	24.0	29.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	67.7	54.1	45.1
Mobile cellular subscriptions (per 100 people)	28.4	68.4	111.2
Fixed broadband Internet subscribers (per 100 people)	14.1	32.2	24.3
Personal computers (per 100 people)	41.9	94.3	65.4
Households with a television (%)	99	99	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	215	401	343
Internet users (per 100 people)	42.2	77.7	72.3
Quality			
Population covered by mobile cellular network (%)	90	98	99
Fixed broadband Internet subscribers (% of total subscribers)	32.6	91.9	89.2
International Internet bandwidth (bits per second per person)	1,133	16,193	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	18.3	22.8
Mobile cellular prepaid tariff (\$ a month)	..	17.7	14.8
Fixed broadband Internet access tariff (\$ a month)	..	24.8	28.8
Trade			
ICT goods exports (% of total goods exports)	8.2	4.4	12.2
ICT goods imports (% of total goods imports)	15.0	9.6	13.3
ICT service exports (% of total service exports)	9.5	11.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.88	0.46
Secure Internet servers (per million people)	162.6	1,236.6	905.1

Cape Verde

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.44	0.51	3,811
Urban population (% of total)	53	60	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,310	3,010	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.6	6.4	8.5
Adult literacy rate (% ages 15 and older)	..	85	80
Gross primary, secondary, and tertiary enrollment (%)	73	69	64
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	4.0	3.0
Mobile cellular and fixed-line subscribers per employee	154	665	605
Telecommunications investment (% of revenue)	35.3	19.1	22.4
Performance			
Access			
Telephone lines (per 100 people)	12.4	14.3	12.7
Mobile cellular subscriptions (per 100 people)	4.5	77.5	57.8
Fixed broadband Internet subscribers (per 100 people)	0.6	1.8	5.5
Personal computers (per 100 people)	5.7	14.0	4.5
Households with a television (%)	40	67	..
Usage			
International voice traffic total (minutes per person per month)	..	16.2	..
Mobile telephone usage (minutes per user per month)	..	45	342
Internet users (per 100 people)	1.8	29.7	17.2
Quality			
Population covered by mobile cellular network (%)	90	96	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	80.1	40.1
International Internet bandwidth (bits per second per person)	2	311	151
Affordability			
Residential fixed line tariff (\$ a month)	..	5.0	4.7
Mobile cellular prepaid tariff (\$ a month)	..	15.6	7.1
Fixed broadband Internet access tariff (\$ a month)	..	34.9	30.4
Trade			
ICT goods exports (% of total goods exports)	2.4	1.2	21.3
ICT goods imports (% of total goods imports)	7.1	4.2	18.4
ICT service exports (% of total service exports)	9.8	5.7	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.24
Secure Internet servers (per million people)	..	13.7	2.7

Cayman Islands

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.04	0.05	1,117
Urban population (% of total)	100	100	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	2.0
Adult literacy rate (% ages 15 and older)	..	99	98
Gross primary, secondary, and tertiary enrollment (%)	81	78	91
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)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	170	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	87.1	69.1	45.1
Mobile cellular subscriptions (per 100 people)	26.6	84.0	111.2
Fixed broadband Internet subscribers (per 100 people)	..	..	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	73	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	..	43.7	72.3
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.2
International Internet bandwidth (bits per second per person)	..	..	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	266.0	1,920.4	905.1

Central African Republic

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	4	846
Urban population (% of total)	38	39	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	450	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.0	0.8	5.4
Adult literacy rate (% ages 15 and older)	49	55	62
Gross primary, secondary, and tertiary enrollment (%)	35	30	56
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	2.9
Mobile cellular and fixed-line subscribers per employee	35	293	301
Telecommunications investment (% of revenue)	1.0	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.3	1.2
Mobile cellular subscriptions (per 100 people)	0.1	3.8	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.2	0.3	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.5	2.7
Quality			
Population covered by mobile cellular network (%)	18	19	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	0	7
Affordability			
Residential fixed line tariff (\$ a month)	..	10.1	8.8
Mobile cellular prepaid tariff (\$ a month)	..	12.9	8.0
Fixed broadband Internet access tariff (\$ a month)	..	1,329.5	89.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	0.6
ICT goods imports (% of total goods imports)	2.1	2.7	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.00	0.09
Secure Internet servers (per million people)	..	0.2	0.6

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	11	846
Urban population (% of total)	23	27	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	180	600	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.1	10.2	5.4
Adult literacy rate (% ages 15 and older)	26	34	62
Gross primary, secondary, and tertiary enrollment (%)	31	38	56
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	..	2.9
Mobile cellular and fixed-line subscribers per employee	31	127	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.1	0.1	1.2
Mobile cellular subscriptions (per 100 people)	0.1	24.0	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	0.1
Personal computers (per 100 people)	0.1	0.2	0.9
Households with a television (%)	..	3	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	1.7	2.7
Quality			
Population covered by mobile cellular network (%)	8	24	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	1	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.09
Secure Internet servers (per million people)	..	..	0.6

Channel Islands

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.15	0.15	1,117
Urban population (% of total)	31	31	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	43,020	68,610	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	0.5	2.0
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, and tertiary enrollment (%)	91
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)	3.0
Mobile cellular and fixed-line subscribers per employee	765
Telecommunications investment (% of revenue)	15.5
Performance			
Access			
Telephone lines (per 100 people)	45.1
Mobile cellular subscriptions (per 100 people)	111.2
Fixed broadband Internet subscribers (per 100 people)	24.3
Personal computers (per 100 people)	65.4
Households with a television (%)	98
Usage			
International voice traffic total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	343
Internet users (per 100 people)	72.3
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband Internet subscribers (% of total subscribers)	89.2
International Internet bandwidth (bits per second per person)	19,521
Affordability			
Residential fixed line tariff (\$ a month)	22.8
Mobile cellular prepaid tariff (\$ a month)	14.8
Fixed broadband Internet access tariff (\$ a month)	28.8
Trade			
ICT goods exports (% of total goods exports)	12.2
ICT goods imports (% of total goods imports)	13.3
ICT service exports (% of total service exports)	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	0.46
Secure Internet servers (per million people)	905.1

	Latin America & Caribbean		Upper middle income	
			Upper middle-income group	
	Country data		2000	2009
Economic and social context				
Population (millions)		15	17	1,002
Urban population (% of total)		86	89	75
GNI per capita, <i>World Bank Atlas</i> method (\$)		4,840	9,470	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)		3.8	4.1	4.4
Adult literacy rate (% ages 15 and older)		96	99	92
Gross primary, secondary, and tertiary enrollment (%)		78	84	82
Structure				
Separate telecommunications regulator		..	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	
Efficiency and capacity				
Telecommunications revenue (% of GDP)		3.4	..	3.3
Mobile cellular and fixed-line subscribers per employee		315	592	576
Telecommunications investment (% of revenue)		44.0	..	18.0
Performance				
Access				
Telephone lines (per 100 people)		21.4	21.1	22.1
Mobile cellular subscriptions (per 100 people)		22.1	96.9	100.6
Fixed broadband Internet subscribers (per 100 people)		3.8	9.8	19.4
Personal computers (per 100 people)		9.2	14.1	11.2
Households with a television (%)		87	100	93
Usage				
International voice traffic, total (minutes per person per month)		..	3.6	..
Mobile telephone usage (minutes per user per month)		220	148	157
Internet users (per 100 people)		16.6	34.0	34.6
Quality				
Population covered by mobile cellular network (%)		100	100	94
Fixed broadband Internet subscribers (% of total subscribers)		1.3	99.7	41.6
International Internet bandwidth (bits per second per person)		12	4,076	1,120
Affordability				
Residential fixed line tariff (\$ a month)		..	23.6	10.0
Mobile cellular prepaid tariff (\$ a month)		..	10.2	8.8
Fixed broadband Internet access tariff (\$ a month)		..	48.1	18.8
Trade				
ICT goods exports (% of total goods exports)		0.2	0.2	12.2
ICT goods imports (% of total goods imports)		11.0	6.8	15.1
ICT service exports (% of total service exports)		5.9	2.8	5.4
Applications				
E-gov't Web measure index (0–1, 1=highest presence)		..	0.61	0.30
Secure Internet servers (per million people)		9.0	52.8	32.2

China

East Asia & Pacific	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	1,263	1,331	3,811
Urban population (% of total)	36	44	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	930	3,650	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	8.5	10.9	8.5
Adult literacy rate (% ages 15 and older)	91	94	80
Gross primary, secondary, and tertiary enrollment (%)	65	67	64
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	2.5	3.0
Mobile cellular and fixed-line subscribers per employee	222	1,310	605
Telecommunications investment (% of revenue)	69.8	32.0	22.4
Performance			
Access			
Telephone lines (per 100 people)	11.5	23.6	12.7
Mobile cellular subscriptions (per 100 people)	6.8	56.1	57.8
Fixed broadband Internet subscribers (per 100 people)	0.7	11.4	5.5
Personal computers (per 100 people)	1.6	5.7	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	247	425	342
Internet users (per 100 people)	1.8	28.8	17.2
Quality			
Population covered by mobile cellular network (%)	..	97	77
Fixed broadband Internet subscribers (% of total subscribers)	0.3	44.2	40.1
International Internet bandwidth (bits per second per person)	2	651	151
Affordability			
Residential fixed line tariff (\$ a month)	..	2.3	4.7
Mobile cellular prepaid tariff (\$ a month)	..	3.7	7.1
Fixed broadband Internet access tariff (\$ a month)	..	17.6	30.4
Trade			
ICT goods exports (% of total goods exports)	18.9	29.5	21.3
ICT goods imports (% of total goods imports)	22.5	24.0	18.4
ICT service exports (% of total service exports)	5.6	6.0	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.24
Secure Internet servers (per million people)	0.1	1.9	2.7

Colombia

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	40	46	1,002
Urban population (% of total)	72	75	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,350	4,990	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.8	4.5	4.4
Adult literacy rate (% ages 15 and older)	..	93	92
Gross primary, secondary, and tertiary enrollment (%)	73	83	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	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	3.7	3.3
Mobile cellular and fixed-line subscribers per employee	242	..	576
Telecommunications investment (% of revenue)	54.6	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	18.1	16.4	22.1
Mobile cellular subscriptions (per 100 people)	5.7	92.3	100.6
Fixed broadband Internet subscribers (per 100 people)	0.6	5.0	19.4
Personal computers (per 100 people)	3.8	11.2	11.2
Households with a television (%)	83	88	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	115	148	157
Internet users (per 100 people)	2.2	45.5	34.6
Quality			
Population covered by mobile cellular network (%)	..	83	94
Fixed broadband Internet subscribers (% of total subscribers)	3.7	93.5	41.6
International Internet bandwidth (bits per second per person)	16	2,940	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	5.7	10.0
Mobile cellular prepaid tariff (\$ a month)	..	9.5	8.8
Fixed broadband Internet access tariff (\$ a month)	..	34.8	18.8
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	12.2
ICT goods imports (% of total goods imports)	10.3	9.9	15.1
ICT service exports (% of total service exports)	9.1	7.4	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.71	0.30
Secure Internet servers (per million people)	1.8	14.3	32.2

Comoros

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.54	0.66	846
Urban population (% of total)	28	28	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	810	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.7	1.9	5.4
Adult literacy rate (% ages 15 and older)	68	74	62
Gross primary, secondary, and tertiary enrollment (%)	52	61	56
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	<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	9.0	2.9
Mobile cellular and fixed-line subscribers per employee	55	161	301
Telecommunications investment (% of revenue)	69.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.3	3.9	1.2
Mobile cellular subscriptions (per 100 people)	0.0	15.2	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	0.2	0.1
Personal computers (per 100 people)	0.6	0.9	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.3	3.7	2.7
Quality			
Population covered by mobile cellular network (%)	..	40	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	11	7
Affordability			
Residential fixed line tariff (\$ a month)	..	11.1	8.8
Mobile cellular prepaid tariff (\$ a month)	..	13.9	8.0
Fixed broadband Internet access tariff (\$ a month)	..	428.4	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.09
Secure Internet servers (per million people)	..	1.5	0.6

Congo, Dem. Rep.

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	51	66	846
Urban population (% of total)	30	35	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	80	160	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-3.8	5.2	5.4
Adult literacy rate (% ages 15 and older)	67	67	62
Gross primary, secondary, and tertiary enrollment (%)	27	51	56
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	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	7.4	2.9
Mobile cellular and fixed-line subscribers per employee	..	3,628	301
Telecommunications investment (% of revenue)	..	82.5	..
Performance			
Access			
Telephone lines (per 100 people)	0.0	0.1	1.2
Mobile cellular subscriptions (per 100 people)	0.0	15.4	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.0	0.0	0.9
Households with a television (%)	..	14	..
Usage			
International voice traffic, total (minutes per person per month)	..	0.5	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.6	2.7
Quality			
Population covered by mobile cellular network (%)	..	50	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	2.2	5.4
International Internet bandwidth (bits per second per person)	0	1	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.09
Secure Internet servers (per million people)	..	0.1	0.6

Congo, Rep.

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	4	3,811
Urban population (% of total)	58	62	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	580	2,080	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.9	4.0	8.5
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	48	66	64
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>C</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	2.7	3.0
Mobile cellular and fixed-line subscribers per employee	..	..	605
Telecommunications investment (% of revenue)	..	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	0.7	0.7	12.7
Mobile cellular subscriptions (per 100 people)	2.3	58.9	57.8
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	5.5
Personal computers (per 100 people)	0.4	0.6	4.5
Households with a television (%)	..	25	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	160	342
Internet users (per 100 people)	0.0	6.7	17.2
Quality			
Population covered by mobile cellular network (%)	17	53	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	40.1
International Internet bandwidth (bits per second per person)	0	0	151
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	..	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.08	0.24
Secure Internet servers (per million people)	..	1.3	2.7

Costa Rica

Latin America & Caribbean	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	5	1,002
Urban population (% of total)	59	64	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,700	6,260	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.7	5.1	4.4
Adult literacy rate (% ages 15 and older)	95	96	92
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>	P	
Mobile telephone service	<i>M</i>	M	
Internet service	<i>M</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	1.8	3.3
Mobile cellular and fixed-line subscribers per employee	231	497	576
Telecommunications investment (% of revenue)	44.4	56.1	18.0
Performance			
Access			
Telephone lines (per 100 people)	22.9	32.6	22.1
Mobile cellular subscriptions (per 100 people)	5.4	42.6	100.6
Fixed broadband Internet subscribers (per 100 people)	0.9	6.0	19.4
Personal computers (per 100 people)	15.3	23.1	11.2
Households with a television (%)	83	96	93
Usage			
International voice traffic, total (minutes per person per month)	..	11.0	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	5.8	34.5	34.6
Quality			
Population covered by mobile cellular network (%)	..	69	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	100.0	41.6
International Internet bandwidth (bits per second per person)	10	4,333	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	4.1	10.0
Mobile cellular prepaid tariff (\$ a month)	..	2.3	8.8
Fixed broadband Internet access tariff (\$ a month)	..	6.3	18.8
Trade			
ICT goods exports (% of total goods exports)	31.7	18.7	12.2
ICT goods imports (% of total goods imports)	18.4	17.9	15.1
ICT service exports (% of total service exports)	7.9	21.9	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.30
Secure Internet servers (per million people)	13.9	108.2	32.2

Côte d'Ivoire

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	17	21	3,811
Urban population (% of total)	44	49	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	1,070	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.4	0.8	8.5
Adult literacy rate (% ages 15 and older)	49	55	80
Gross primary, secondary, and tertiary enrollment (%)	38	40	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	189	3,274	605
Telecommunications investment (% of revenue)	23.7	40.0	22.4
Performance			
Access			
Telephone lines (per 100 people)	1.5	1.3	12.7
Mobile cellular subscriptions (per 100 people)	2.7	63.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	5.5
Personal computers (per 100 people)	0.5	1.7	4.5
Households with a television (%)	29	38	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.2	4.6	17.2
Quality			
Population covered by mobile cellular network (%)	23	59	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	6.9	40.1
International Internet bandwidth (bits per second per person)	0	40	151
Affordability			
Residential fixed line tariff (\$ a month)	..	21.7	4.7
Mobile cellular prepaid tariff (\$ a month)	..	11.5	7.1
Fixed broadband Internet access tariff (\$ a month)	..	44.3	30.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.4	21.3
ICT goods imports (% of total goods imports)	3.3	4.5	18.4
ICT service exports (% of total service exports)	8.2	0.0	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32	0.24
Secure Internet servers (per million people)	..	1.0	2.7

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	4	1,117
Urban population (% of total)	56	58	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,200	13,770	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.1	3.9	2.0
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, and tertiary enrollment (%)	70	79	91
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)	3.4	4.6	3.0
Mobile cellular and fixed-line subscribers per employee	178	892	765
Telecommunications investment (% of revenue)	14.7	15.5	15.5
Performance			
Access			
Telephone lines (per 100 people)	38.9	41.9	45.1
Mobile cellular subscriptions (per 100 people)	23.3	136.2	111.2
Fixed broadband Internet subscribers (per 100 people)	4.2	33.8	24.3
Personal computers (per 100 people)	11.3	18.0	65.4
Households with a television (%)	90	97	98
Usage			
International voice traffic, total (minutes per person per month)	..	25.2	..
Mobile telephone usage (minutes per user per month)	..	96	343
Internet users (per 100 people)	6.8	50.4	72.3
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	45.7	89.2
International Internet bandwidth (bits per second per person)	41	15,892	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	19.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	18.4	14.8
Fixed broadband Internet access tariff (\$ a month)	..	20.7	28.8
Trade			
ICT goods exports (% of total goods exports)	3.6	5.1	12.2
ICT goods imports (% of total goods imports)	6.1	6.3	13.3
ICT service exports (% of total service exports)	3.3	3.6	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.42	0.46
Secure Internet servers (per million people)	13.7	168.4	905.1

Cuba

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	11	11	1,002
Urban population (% of total)	76	76	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,630	5,550	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.0	6.7	4.4
Adult literacy rate (% ages 15 and older)	100	100	92
Gross primary, secondary, and tertiary enrollment (%)	76	104	82
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>M</i>	
Mobile telephone service	<i>P</i>	<i>M</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.9	3.3
Mobile cellular and fixed-line subscribers per employee	30	58	576
Telecommunications investment (% of revenue)	16.0	7.5	18.0
Performance			
Access			
Telephone lines (per 100 people)	4.4	10.4	22.1
Mobile cellular subscriptions (per 100 people)	0.1	4.0	100.6
Fixed broadband Internet subscribers (per 100 people)	..	0.3	19.4
Personal computers (per 100 people)	1.2	5.6	11.2
Households with a television (%)	..	88	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	0.5	14.3	34.6
Quality			
Population covered by mobile cellular network (%)	41	77	94
Fixed broadband Internet subscribers (% of total subscribers)	..	5.8	41.6
International Internet bandwidth (bits per second per person)	2	27	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	13.2	10.0
Mobile cellular prepaid tariff (\$ a month)	..	22.7	8.8
Fixed broadband Internet access tariff (\$ a month)	..	1,630.0	18.8
Trade			
ICT goods exports (% of total goods exports)	0.2	1.9	12.2
ICT goods imports (% of total goods imports)	5.3	2.9	15.1
ICT service exports (% of total service exports)	..	..	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24	0.30
Secure Internet servers (per million people)	0.2	0.1	32.2

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.79	0.87	1,117
Urban population (% of total)	69	70	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	13,440	30,480	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.9	3.3	2.0
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, and tertiary enrollment (%)	73	79	91
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	3.0
Mobile cellular and fixed-line subscribers per employee	274	473	765
Telecommunications investment (% of revenue)	36.6	18.9	15.5
Performance			
Access			
Telephone lines (per 100 people)	55.9	47.6	45.1
Mobile cellular subscriptions (per 100 people)	27.8	112.2	111.2
Fixed broadband Internet subscribers (per 100 people)	6.6	21.9	24.3
Personal computers (per 100 people)	19.1	38.3	65.4
Households with a television (%)	..	100	98
Usage			
International voice traffic, total (minutes per person per month)	..	99.9	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	15.3	49.8	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	3.8	92.2	89.2
International Internet bandwidth (bits per second per person)	51	1,605	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	25.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	5.2	14.8
Fixed broadband Internet access tariff (\$ a month)	..	22.7	28.8
Trade			
ICT goods exports (% of total goods exports)	1.7	9.2	12.2
ICT goods imports (% of total goods imports)	7.2	5.6	13.3
ICT service exports (% of total service exports)	2.1	2.9	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.46
Secure Internet servers (per million people)	37.6	1,051.5	905.1

Czech Republic

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	10	10	1,117
Urban population (% of total)	74	74	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,800	17,310	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.0	4.1	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	74	85	91
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	3.8	3.0
Mobile cellular and fixed-line subscribers per employee	349	812	765
Telecommunications investment (% of revenue)	47.1	10.5	15.5
Performance			
Access			
Telephone lines (per 100 people)	37.7	19.9	45.1
Mobile cellular subscriptions (per 100 people)	42.3	135.9	111.2
Fixed broadband Internet subscribers (per 100 people)	4.1	19.3	24.3
Personal computers (per 100 people)	12.2	27.4	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	16.4	..
Mobile telephone usage (minutes per user per month)	145	126	343
Internet users (per 100 people)	9.7	63.7	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.6	100.0	89.2
International Internet bandwidth (bits per second per person)	602	7,075	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	29.3	22.8
Mobile cellular prepaid tariff (\$ a month)	..	17.7	14.8
Fixed broadband Internet access tariff (\$ a month)	..	43.3	28.8
Trade			
ICT goods exports (% of total goods exports)	7.3	15.6	12.2
ICT goods imports (% of total goods imports)	12.1	16.7	13.3
ICT service exports (% of total service exports)	3.2	8.9	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.45	0.46
Secure Internet servers (per million people)	26.7	317.9	905.1

Denmark

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	6	1,117
Urban population (% of total)	85	87	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	31,850	59,060	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.8	1.2	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	96	102	91
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	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.4	3.0
Mobile cellular and fixed-line subscribers per employee	337	543	765
Telecommunications investment (% of revenue)	27.0	23.4	15.5
Performance			
Access			
Telephone lines (per 100 people)	71.9	37.3	45.1
Mobile cellular subscriptions (per 100 people)	63.0	133.9	111.2
Fixed broadband Internet subscribers (per 100 people)	31.6	39.1	24.3
Personal computers (per 100 people)	50.6	54.9	65.4
Households with a television (%)	96	98	98
Usage			
International voice traffic, total (minutes per person per month)	..	29.8	..
Mobile telephone usage (minutes per user per month)	122	185	343
Internet users (per 100 people)	39.2	85.9	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	4.0	95.8	89.2
International Internet bandwidth (bits per second per person)	1,409	34,506	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	24.5	22.8
Mobile cellular prepaid tariff (\$ a month)	..	6.5	14.8
Fixed broadband Internet access tariff (\$ a month)	..	29.1	28.8
Trade			
ICT goods exports (% of total goods exports)	8.5	4.8	12.2
ICT goods imports (% of total goods imports)	13.3	8.9	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.67	0.46
Secure Internet servers (per million people)	73.9	1,866.3	905.1

Djibouti

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.73	0.86	3,811
Urban population (% of total)	83	88	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	760	1,280	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-0.2	4.0	8.5
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	18	27	64
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	5.3	3.0
Mobile cellular and fixed-line subscribers per employee	19	169	605
Telecommunications investment (% of revenue)	10.1	13.8	22.4
Performance			
Access			
Telephone lines (per 100 people)	1.3	1.9	12.7
Mobile cellular subscriptions (per 100 people)	0.0	14.9	57.8
Fixed broadband Internet subscribers (per 100 people)	0.2	1.1	5.5
Personal computers (per 100 people)	0.9	4.3	4.5
Households with a television (%)	..	46	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.2	3.0	17.2
Quality			
Population covered by mobile cellular network (%)	30	85	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	58.1	40.1
International Internet bandwidth (bits per second per person)	0	897	151
Affordability			
Residential fixed line tariff (\$ a month)	..	8.1	4.7
Mobile cellular prepaid tariff (\$ a month)	..	6.6	7.1
Fixed broadband Internet access tariff (\$ a month)	..	55.9	30.4
Trade			
ICT goods exports (% of total goods exports)	..	0.3	21.3
ICT goods imports (% of total goods imports)	..	10.9	18.4
ICT service exports (% of total service exports)	2.1	2.3	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.05	0.24
Secure Internet servers (per million people)	..	5.7	2.7

Dominica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	0.07	0.07	1,002
Urban population (% of total)	71	74	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,200	4,900	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.2	2.9	4.4
Adult literacy rate (% ages 15 and older)	..	..	92
Gross primary, secondary, and tertiary enrollment (%)	75	77	82
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>C</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	10.4	3.3
Mobile cellular and fixed-line subscribers per employee	132	..	576
Telecommunications investment (% of revenue)	..	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	31.8	23.8	22.1
Mobile cellular subscriptions (per 100 people)	1.7	144.0	100.6
Fixed broadband Internet subscribers (per 100 people)	3.9	8.4	19.4
Personal computers (per 100 people)	7.7	18.2	11.2
Households with a television (%)	65	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	8.4	38.0	34.6
Quality			
Population covered by mobile cellular network (%)	..	..	94
Fixed broadband Internet subscribers (% of total subscribers)	2.9	54.0	41.6
International Internet bandwidth (bits per second per person)	70	420	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	10.9	10.0
Mobile cellular prepaid tariff (\$ a month)	..	12.8	8.8
Fixed broadband Internet access tariff (\$ a month)	..	47.8	18.8
Trade			
ICT goods exports (% of total goods exports)	0.6	0.7	12.2
ICT goods imports (% of total goods imports)	7.4	4.4	15.1
ICT service exports (% of total service exports)	21.0	10.8	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.05	0.30
Secure Internet servers (per million people)	84.4	297.3	32.2

Dominican Republic

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	9	10	1,002
Urban population (% of total)	62	70	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,550	4,550	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	7.0	5.5	4.4
Adult literacy rate (% ages 15 and older)	87	88	92
Gross primary, secondary, and tertiary enrollment (%)	69	71	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	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	0.4	3.3
Mobile cellular and fixed-line subscribers per employee	99	..	576
Telecommunications investment (% of revenue)	..	192.0	18.0
Performance			
Access			
Telephone lines (per 100 people)	10.1	9.6	22.1
Mobile cellular subscriptions (per 100 people)	8.0	85.5	100.6
Fixed broadband Internet subscribers (per 100 people)	0.6	4.3	19.4
Personal computers (per 100 people)	1.9	2.1	11.2
Households with a television (%)	77	77	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	116	157
Internet users (per 100 people)	3.7	26.8	34.6
Quality			
Population covered by mobile cellular network (%)	..	90	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	92.4	41.6
International Internet bandwidth (bits per second per person)	6	1,387	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	12.3	10.0
Mobile cellular prepaid tariff (\$ a month)	..	8.5	8.8
Fixed broadband Internet access tariff (\$ a month)	..	26.3	18.8
Trade			
ICT goods exports (% of total goods exports)	0.4	3.6	12.2
ICT goods imports (% of total goods imports)	6.6	5.4	15.1
ICT service exports (% of total service exports)	3.2	4.1	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.30
Secure Internet servers (per million people)	0.9	14.8	32.2

Ecuador

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	12	14	3,811
Urban population (% of total)	60	66	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,340	3,970	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.7	5.0	8.5
Adult literacy rate (% ages 15 and older)	91	84	80
Gross primary, secondary, and tertiary enrollment (%)	..	79	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	244	513	605
Telecommunications investment (% of revenue)	9.8	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	9.9	14.7	12.7
Mobile cellular subscriptions (per 100 people)	3.9	100.1	57.8
Fixed broadband Internet subscribers (per 100 people)	0.5	4.1	5.5
Personal computers (per 100 people)	2.2	13.0	4.5
Households with a television (%)	..	83	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	65	89	342
Internet users (per 100 people)	1.5	15.1	17.2
Quality			
Population covered by mobile cellular network (%)	80	84	77
Fixed broadband Internet subscribers (% of total subscribers)	3.1	42.9	40.1
International Internet bandwidth (bits per second per person)	2	484	151
Affordability			
Residential fixed line tariff (\$ a month)	..	1.3	4.7
Mobile cellular prepaid tariff (\$ a month)	..	9.4	7.1
Fixed broadband Internet access tariff (\$ a month)	..	39.9	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	21.3
ICT goods imports (% of total goods imports)	6.4	7.5	18.4
ICT service exports (% of total service exports)	7.2	4.9	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32	0.24
Secure Internet servers (per million people)	0.9	15.3	2.7

Egypt, Arab Rep.

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	70	83	3,811
Urban population (% of total)	43	43	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,390	2,070	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.2	4.9	8.5
Adult literacy rate (% ages 15 and older)	..	66	80
Gross primary, secondary, and tertiary enrollment (%)	74	70	64
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	3.7	3.0
Mobile cellular and fixed-line subscribers per employee	125	855	605
Telecommunications investment (% of revenue)	18.8	48.1	22.4
Performance			
Access			
Telephone lines (per 100 people)	7.8	12.4	12.7
Mobile cellular subscriptions (per 100 people)	1.9	66.7	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	3.4	5.5
Personal computers (per 100 people)	1.1	3.9	4.5
Households with a television (%)	..	97	..
Usage			
International voice traffic total (minutes per person per month)	..	3.6	..
Mobile telephone usage (minutes per user per month)	..	159	342
Internet users (per 100 people)	0.6	20.0	17.2
Quality			
Population covered by mobile cellular network (%)	..	95	77
Fixed broadband Internet subscribers (% of total subscribers)	..	38.4	40.1
International Internet bandwidth (bits per second per person)	0	1,172	151
Affordability			
Residential fixed line tariff (\$ a month)	..	3.0	4.7
Mobile cellular prepaid tariff (\$ a month)	..	4.1	7.1
Fixed broadband Internet access tariff (\$ a month)	..	8.2	30.4
Trade			
ICT goods exports (% of total goods exports)	..	1.8	21.3
ICT goods imports (% of total goods imports)	..	4.4	18.4
ICT service exports (% of total service exports)	3.4	4.7	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.53	0.24
Secure Internet servers (per million people)	0.2	2.2	2.7

El Salvador

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	6	6	3,811
Urban population (% of total)	58	61	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,110	3,370	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.3	2.6	8.5
Adult literacy rate (% ages 15 and older)	..	84	80
Gross primary, secondary, and tertiary enrollment (%)	69	73	64
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	4.8	3.0
Mobile cellular and fixed-line subscribers per employee	323	2,275	605
Telecommunications investment (% of revenue)	155.8	18.8	22.4
Performance			
Access			
Telephone lines (per 100 people)	10.5	17.8	12.7
Mobile cellular subscriptions (per 100 people)	12.5	122.8	57.8
Fixed broadband Internet subscribers (per 100 people)	0.9	2.4	5.5
Personal computers (per 100 people)	2.0	5.8	4.5
Households with a television (%)	74	83	..
Usage			
International voice traffic, total (minutes per person per month)	..	42.5	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.2	14.4	17.2
Quality			
Population covered by mobile cellular network (%)	85	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	99.3	40.1
International Internet bandwidth (bits per second per person)	7	243	151
Affordability			
Residential fixed line tariff (\$ a month)	..	11.5	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.1	7.1
Fixed broadband Internet access tariff (\$ a month)	..	20.3	30.4
Trade			
ICT goods exports (% of total goods exports)	0.1	2.9	21.3
ICT goods imports (% of total goods imports)	3.4	5.5	18.4
ICT service exports (% of total service exports)	12.9	16.9	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.43	0.24
Secure Internet servers (per million people)	1.2	13.4	2.7

Equatorial Guinea

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.53	0.68	1,117
Urban population (% of total)	39	40	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,250	12,420	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	36.0	16.8	2.0
Adult literacy rate (% ages 15 and older)	87	93	98
Gross primary, secondary, and tertiary enrollment (%)	55	..	91
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>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	..	3.0
Mobile cellular and fixed-line subscribers per employee	65	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	1.2	1.5	45.1
Mobile cellular subscriptions (per 100 people)	0.9	65.8	111.2
Fixed broadband Internet subscribers (per 100 people)	0.1	0.2	24.3
Personal computers (per 100 people)	0.4	1.5	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	0.1	2.1	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	15.0	89.2
International Internet bandwidth (bits per second per person)	0	28	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.46
Secure Internet servers (per million people)	..	2.9	905.1

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	5	846
Urban population (% of total)	18	21	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	320	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.5	0.2	5.4
Adult literacy rate (% ages 15 and older)	53	67	62
Gross primary, secondary, and tertiary enrollment (%)	29	31	56
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	3.0	2.9
Mobile cellular and fixed-line subscribers per employee	67	117	301
Telecommunications investment (% of revenue)	127.5	70.0	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.0	1.2
Mobile cellular subscriptions (per 100 people)	0.0	2.8	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.2	1.0	0.9
Households with a television (%)	13	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	2.4	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	4.9	2.7
Quality			
Population covered by mobile cellular network (%)	0	80	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	6	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	0.2	0.6
ICT goods imports (% of total goods imports)	..	5.2	5.9
ICT service exports (% of total service exports)	13.5	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.09
Secure Internet servers (per million people)	..	..	0.6

Estonia

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	1	1	1,117
Urban population (% of total)	69	69	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,220	14,060	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.8	5.9	2.0
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, and tertiary enrollment (%)	88	90	91
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)	5.1	4.5	3.0
Mobile cellular and fixed-line subscribers per employee	354	742	765
Telecommunications investment (% of revenue)	17.6	13.3	15.5
Performance			
Access			
Telephone lines (per 100 people)	38.2	36.8	45.1
Mobile cellular subscriptions (per 100 people)	40.7	203.0	111.2
Fixed broadband Internet subscribers (per 100 people)	6.0	25.6	24.3
Personal computers (per 100 people)	16.1	25.5	65.4
Households with a television (%)	94	98	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	28.6	72.3	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	18.0	98.7	89.2
International Internet bandwidth (bits per second per person)	137	12,680	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	13.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	12.3	14.8
Fixed broadband Internet access tariff (\$ a month)	..	27.8	28.8
Trade			
ICT goods exports (% of total goods exports)	26.1	5.8	12.2
ICT goods imports (% of total goods imports)	20.4	6.5	13.3
ICT service exports (% of total service exports)	2.8	8.6	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.50	0.46
Secure Internet servers (per million people)	58.6	434.3	905.1

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	66	83	846
Urban population (% of total)	15	17	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	130	330	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	8.5	5.4
Adult literacy rate (% ages 15 and older)	..	30	62
Gross primary, secondary, and tertiary enrollment (%)	29	53	56
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>	M	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.3	2.9
Mobile cellular and fixed-line subscribers per employee	35	233	301
Telecommunications investment (% of revenue)	42.6	21.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.1	1.2
Mobile cellular subscriptions (per 100 people)	0.0	4.9	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.1	0.7	0.9
Households with a television (%)	..	5	..
Usage			
International voice traffic, total (minutes per person per month)	..	0.4	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.5	2.7
Quality			
Population covered by mobile cellular network (%)	..	10	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	4.9	5.4
International Internet bandwidth (bits per second per person)	0	3	7
Affordability			
Residential fixed line tariff (\$ a month)	..	0.9	8.8
Mobile cellular prepaid tariff (\$ a month)	..	2.4	8.0
Fixed broadband Internet access tariff (\$ a month)	..	486.5	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.7	0.6
ICT goods imports (% of total goods imports)	5.0	9.5	5.9
ICT service exports (% of total service exports)	3.6	5.3	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.20	0.09
Secure Internet servers (per million people)	0.0	0.1	0.6

Faeroe Islands

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.05	0.05	1,117
Urban population (% of total)	36	42	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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	3.6	3.0
Mobile cellular and fixed-line subscribers per employee	178	264	765
Telecommunications investment (% of revenue)	16.9	3.7	15.5
Performance			
Access			
Telephone lines (per 100 people)	54.5	43.0	45.1
Mobile cellular subscriptions (per 100 people)	37.1	117.2	111.2
Fixed broadband Internet subscribers (per 100 people)	14.0	33.0	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	32.8	77.1	72.3
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.7	105.9	89.2
International Internet bandwidth (bits per second per person)	..	3,316	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	0.0	12.2
ICT goods imports (% of total goods imports)	5.2	5.0	13.3
ICT service exports (% of total service exports)	1.8	2.8	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	21.5	922.6	905.1

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.80	0.85	1,002
Urban population (% of total)	48	53	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,260	3,840	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.2	1.4	4.4
Adult literacy rate (% ages 15 and older)	..	..	92
Gross primary, secondary, and tertiary enrollment (%)	73	69	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	4.8	3.3
Mobile cellular and fixed-line subscribers per employee	104	..	576
Telecommunications investment (% of revenue)	17.5	13.6	18.0
Performance			
Access			
Telephone lines (per 100 people)	10.8	16.1	22.1
Telephone lines (per 100 people)	6.9	75.4	100.6
Mobile cellular subscriptions (per 100 people)	0.4	1.6	19.4
Fixed broadband Internet subscribers (per 100 people)	4.5	6.0	11.2
Personal computers (per 100 people)	..	..	93
Households with a television (%)			
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
International voice traffic, total (minutes per person per month)	..	..	157
Mobile telephone usage (minutes per user per month)	1.5	13.4	34.6
Internet users (per 100 people)			
Quality			
Population covered by mobile cellular network (%)	40	65	94
Population covered by mobile cellular network (%)	0.0	83.3	41.6
Fixed broadband Internet subscribers (% of total subscribers)	5	150	1,120
International Internet bandwidth (bits per second per person)			
Affordability			
Residential fixed line tariff (\$ a month)	..	7.7	10.0
Residential fixed line tariff (\$ a month)	..	10.8	8.8
Mobile cellular prepaid tariff (\$ a month)	..	20.3	18.8
Fixed broadband Internet access tariff (\$ a month)			
Trade			
ICT goods exports (% of total goods exports)	0.1	0.9	12.2
ICT goods exports (% of total goods exports)	6.2	5.2	15.1
ICT goods imports (% of total goods imports)	5.7	2.0	5.4
ICT service exports (% of total service exports)			
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.30
E-gov't Web measure index (0–1, 1=highest presence)	5.0	30.4	32.2
Secure Internet servers (per million people)			

Finland

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	5	1,117
Urban population (% of total)	61	64	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,430	45,940	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.9	2.5	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	104	101	91
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)	3.3	2.3	3.0
Mobile cellular and fixed-line subscribers per employee	272	708	765
Telecommunications investment (% of revenue)	20.3	10.2	15.5
Performance			
Access			
Telephone lines (per 100 people)	55.0	26.8	45.1
Mobile cellular subscriptions (per 100 people)	72.0	144.2	111.2
Fixed broadband Internet subscribers (per 100 people)	11.9	26.8	24.3
Personal computers (per 100 people)	39.6	50.0	65.4
Households with a television (%)	95	93	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	127	220	343
Internet users (per 100 people)	37.2	83.9	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	5.7	57.1	89.2
International Internet bandwidth (bits per second per person)	347	17,221	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	18.5	22.8
Mobile cellular prepaid tariff (\$ a month)	..	13.4	14.8
Fixed broadband Internet access tariff (\$ a month)	..	39.0	28.8
Trade			
ICT goods exports (% of total goods exports)	25.4	12.6	12.2
ICT goods imports (% of total goods imports)	18.6	11.3	13.3
ICT service exports (% of total service exports)	5.4	25.4	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.46
Secure Internet servers (per million people)	96.0	1,245.7	905.1

France

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions) ^a	59	63	1,117
Urban population (% of total)	76	78	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	24,450	42,620	37,990
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.9	1.5	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	92	95	91
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	2.0	3.0
Mobile and fixed-line subscribers per employee	408	695	765
Telecommunications investment (% of revenue)	26.5	14.0	15.5
Performance			
Access			
Telephone lines (per 100 people)	57.7	56.7	45.1
Mobile cellular subscriptions (per 100 people)	49.3	95.1	111.2
Fixed broadband Internet subscribers (per 100 people)	9.2	32.5	24.3
Personal computers (per 100 people)	30.4	65.2	65.4
Households with a television (%)	..	97	98
Usage			
International voice traffic (minutes per person per month)	..	25.0	..
Mobile telephone usage (minutes per user per month)	140	218	343
Internet users (per 100 people)	14.4	71.3	72.3
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	3.6	95.4	89.2
International Internet bandwidth (bits per second per person)	1,148	29,356	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	29.3	22.8
Mobile cellular prepaid tariff (\$ a month)	..	35.2	14.8
Fixed broadband Internet access tariff (\$ a month)	..	36.1	28.8
Trade			
ICT goods exports (% of total goods exports)	12.1	5.6	12.2
ICT goods imports (% of total goods imports)	13.0	7.8	13.3
ICT service exports (% of total service exports)	2.6	4.3	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.68	0.46
Secure Internet servers (per million people)	27.7	306.2	905.1

a. Excludes the French overseas departments of French Guiana, Guadeloupe, Martinique, and Réunion.

French Polynesia

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.24	0.27	1,117
Urban population (% of total)	52	52	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,080	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	..	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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	..	3.0
Mobile cellular and fixed-line subscribers per employee	105	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	22.8	20.2	45.1
Mobile cellular subscriptions (per 100 people)	16.9	77.4	111.2
Fixed broadband Internet subscribers (per 100 people)	3.0	11.3	24.3
Personal computers (per 100 people)	6.4	11.0	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	6.4	44.6	72.3
Quality			
Population covered by mobile cellular network (%)	70	97	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.5	89.2
International Internet bandwidth (bits per second per person)	32	2,877	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	1.1	1.6	12.2
ICT goods imports (% of total goods imports)	7.3	6.8	13.3
ICT service exports (% of total service exports)	0.3	6.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	16.7	84.4	905.1

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	1	1	1,002
Urban population (% of total)	80	86	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,080	7,370	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.3	2.1	4.4
Adult literacy rate (% ages 15 and older)	..	88	92
Gross primary, secondary, and tertiary enrollment (%)	74	..	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 cellular and fixed-line subscribers per employee	150	244	576
Telecommunications investment (% of revenue)	41.8	12.4	18.0
Performance			
Access			
Telephone lines (per 100 people)	3.2	1.8	22.1
Mobile cellular subscriptions (per 100 people)	9.7	93.1	100.6
Fixed broadband Internet subscribers (per 100 people)	0.4	0.8	19.4
Personal computers (per 100 people)	1.0	3.4	11.2
Households with a television (%)	50	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	1.2	6.7	34.6
Quality			
Population covered by mobile cellular network (%)	13	79	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	18.3	41.6
International Internet bandwidth (bits per second per person)	0	141	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	..	10.0
Mobile cellular prepaid tariff (\$ a month)	..	..	8.8
Fixed broadband Internet access tariff (\$ a month)	..	..	18.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	12.2
ICT goods imports (% of total goods imports)	7.9	6.6	15.1
ICT service exports (% of total service exports)	0.6	..	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.08	0.30
Secure Internet servers (per million people)	0.8	8.0	32.2

Gambia, The

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	1	2	846
Urban population (% of total)	49	57	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	330	440	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.6	5.2	5.4
Adult literacy rate (% ages 15 and older)	37	46	62
Gross primary, secondary, and tertiary enrollment (%)	51	55	56
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	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.4	..	2.9
Mobile cellular and fixed-line subscribers per employee	41	466	301
Telecommunications investment (% of revenue)	23.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.6	2.9	1.2
Mobile cellular subscriptions (per 100 people)	0.4	84.0	26.6
Fixed broadband Internet subscribers (per 100 people)	0.3	0.2	0.1
Personal computers (per 100 people)	1.2	3.5	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.9	7.6	2.7
Quality			
Population covered by mobile cellular network (%)	20	85	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	7.6	5.4
International Internet bandwidth (bits per second per person)	0	38	7
Affordability			
Residential fixed line tariff (\$ a month)	..	2.4	8.8
Mobile cellular prepaid tariff (\$ a month)	..	6.3	8.0
Fixed broadband Internet access tariff (\$ a month)	..	307.3	89.9
Trade			
ICT goods exports (% of total goods exports)	0.5	0.4	0.6
ICT goods imports (% of total goods imports)	3.3	4.0	5.9
ICT service exports (% of total service exports)	..	17.8	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.08	0.09
Secure Internet servers (per million people)	..	2.9	0.6

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	5	4	3,811
Urban population (% of total)	53	53	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	2,530	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.6	7.4	8.5
Adult literacy rate (% ages 15 and older)	100	100	80
Gross primary, secondary, and tertiary enrollment (%)	74	75	64
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	6.9	3.0
Mobile cellular and fixed-line subscribers per employee	69	355	605
Telecommunications investment (% of revenue)	65.4	30.9	22.4
Performance			
Access			
Telephone lines (per 100 people)	10.7	14.6	12.7
Mobile cellular subscriptions (per 100 people)	4.1	66.6	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	21.0	5.5
Personal computers (per 100 people)	2.4	5.5	4.5
Households with a television (%)	91	89	..
Usage			
International voice traffic, total (minutes per person per month)	..	22.3	..
Mobile telephone usage (minutes per user per month)	..	91	342
Internet users (per 100 people)	0.5	30.5	17.2
Quality			
Population covered by mobile cellular network (%)	79	98	77
Fixed broadband Internet subscribers (% of total subscribers)	25.2	10.6	40.1
International Internet bandwidth (bits per second per person)	2	752	151
Affordability			
Residential fixed line tariff (\$ a month)	..	3.5	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.6	7.1
Fixed broadband Internet access tariff (\$ a month)	..	42.2	30.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	21.3
ICT goods imports (% of total goods imports)	7.3	7.8	18.4
ICT service exports (% of total service exports)	4.3	2.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.25	0.24
Secure Internet servers (per million people)	2.1	12.6	2.7

Germany

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	82	82	1,117
Urban population (% of total)	73	74	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,510	42,450	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.0	1.0	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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)	2.7	2.5	3.0
Mobile cellular and fixed-line subscribers per employee	409	787	765
Telecommunications investment (% of revenue)	17.4	10.6	15.5
Performance			
Access			
Telephone lines (per 100 people)	61.1	59.5	45.1
Mobile cellular subscriptions (per 100 people)	58.6	128.2	111.2
Fixed broadband Internet subscribers (per 100 people)	15.8	24.3	24.3
Personal computers (per 100 people)	33.6	65.6	65.4
Households with a television (%)	95	95	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	70	104	343
Internet users (per 100 people)	30.2	79.5	72.3
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	54.0	89.2
International Internet bandwidth (bits per second per person)	848	25,654	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	32.7	22.8
Mobile cellular prepaid tariff (\$ a month)	..	9.5	14.8
Fixed broadband Internet access tariff (\$ a month)	..	43.4	28.8
Trade			
ICT goods exports (% of total goods exports)	10.5	6.8	12.2
ICT goods imports (% of total goods imports)	13.0	9.3	13.3
ICT service exports (% of total service exports)	6.3	8.4	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.55	0.46
Secure Internet servers (per million people)	62.6	873.5	905.1

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	20	24	846
Urban population (% of total)	44	51	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	330	1,190	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	5.8	5.4
Adult literacy rate (% ages 15 and older)	58	67	62
Gross primary, secondary, and tertiary enrollment (%)	47	59	56
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>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)	1.8	..	2.9
Mobile cellular and fixed-line subscribers per employee	91	1,780	301
Telecommunications investment (% of revenue)	29.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.1	1.1	1.2
Mobile cellular subscriptions (per 100 people)	0.7	63.4	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	0.4	0.1
Personal computers (per 100 people)	0.3	1.1	0.9
Households with a television (%)	..	43	..
Usage			
International voice traffic, total (minutes per person per month)	..	5.1	..
Mobile telephone usage (minutes per user per month)	50	103	..
Internet users (per 100 people)	0.2	5.4	2.7
Quality			
Population covered by mobile cellular network (%)	..	73	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	29.5	5.4
International Internet bandwidth (bits per second per person)	0	97	7
Affordability			
Residential fixed line tariff (\$ a month)	..	3.8	8.8
Mobile cellular prepaid tariff (\$ a month)	..	4.3	8.0
Fixed broadband Internet access tariff (\$ a month)	..	44.4	89.9
Trade			
ICT goods exports (% of total goods exports)	..	0.1	0.6
ICT goods imports (% of total goods imports)	..	7.3	5.9
ICT service exports (% of total service exports)	0.0	0.0	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.15	0.09
Secure Internet servers (per million people)	0.1	1.7	0.6

Gibraltar

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.03	0.03	1,117
Urban population (% of total)	100	100	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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
Mobile cellular and fixed-line subscribers per employee	272	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	81.4	77.3	45.1
Mobile cellular subscriptions (per 100 people)	19.2	92.1	111.2
Fixed broadband Internet subscribers (per 100 people)	14.7	33.9	24.3
Personal computers (per 100 people)	51.9	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	80	343
Internet users (per 100 people)	19.1	65.1	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	88.5	89.2
International Internet bandwidth (bits per second per person)	..	..	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	..	12,551.1	905.1

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	11	11	1,117
Urban population (% of total)	60	61	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	12,560	29,040	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	3.6	2.0
Adult literacy rate (% ages 15 and older)	96	97	98
Gross primary, secondary, and tertiary enrollment (%)	81	100	91
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	3.0
Mobile cellular and fixed-line subscribers per employee	451	813	765
Telecommunications investment (% of revenue)	42.3	15.3	15.5
Performance			
Access			
Telephone lines (per 100 people)	51.8	52.6	45.1
Mobile cellular subscriptions (per 100 people)	54.3	117.8	111.2
Fixed broadband Internet subscribers (per 100 people)	2.5	17.5	24.3
Personal computers (per 100 people)	6.9	9.4	65.4
Households with a television (%)	98	100	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	89	153	343
Internet users (per 100 people)	9.2	44.1	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	96.8	89.2
International Internet bandwidth (bits per second per person)	51	4,537	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	25.4	22.8
Mobile cellular prepaid tariff (\$ a month)	..	23.6	14.8
Fixed broadband Internet access tariff (\$ a month)	..	23.9	28.8
Trade			
ICT goods exports (% of total goods exports)	4.4	3.0	12.2
ICT goods imports (% of total goods imports)	8.3	5.9	13.3
ICT service exports (% of total service exports)	1.8	2.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.36	0.46
Secure Internet servers (per million people)	10.6	124.1	905.1

Greenland

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.06	0.06	1,117
Urban population (% of total)	82	84	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,290	26,160	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.8	1.7	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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)	7.6	..	3.0
Mobile cellular and fixed-line subscribers per employee	64	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	46.6	39.3	45.1
Mobile cellular subscriptions (per 100 people)	26.9	95.4	111.2
Fixed broadband Internet subscribers (per 100 people)	10.6	21.8	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	31.7	64.2	72.3
Quality			
Population covered by mobile cellular network (%)	..	90	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	100.0	89.2
International Internet bandwidth (bits per second per person)	107	2,676	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	12.2
ICT goods imports (% of total goods imports)	5.3	7.6	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	35.5	1,111.2	905.1

	Latin America & Caribbean		Upper middle income	
			Upper middle-income group	
	Country data		2000	2009
Economic and social context				
Population (millions)	0.10	0.10	1,002	
Urban population (% of total)	31	31	75	
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,870	5,580	7,502	
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	7.4	1.8	4.4	
Adult literacy rate (% ages 15 and older)	..	96	92	
Gross primary, secondary, and tertiary enrollment (%)	80	72	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>C</i>		
Mobile telephone service	<i>M</i>	<i>C</i>		
Internet service	..	<i>C</i>		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	..	7.4	3.3	
Mobile cellular and fixed-line subscribers per employee	134	..	576	
Telecommunications investment (% of revenue)	..	..	18.0	
Performance				
Access				
Telephone lines (per 100 people)	31.0	27.5	22.1	
Mobile cellular subscriptions (per 100 people)	4.2	61.6	100.6	
Fixed broadband Internet subscribers (per 100 people)	2.7	10.5	19.4	
Personal computers (per 100 people)	11.9	15.7	11.2	
Households with a television (%)	73	..	93	
Usage				
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157	
Internet users (per 100 people)	4.1	24.1	34.6	
Quality				
Population covered by mobile cellular network (%)	65	..	94	
Fixed broadband Internet subscribers (% of total subscribers)	0.0	93.2	41.6	
International Internet bandwidth (bits per second per person)	40	4,182	1,120	
Affordability				
Residential fixed line tariff (\$ a month)	..	11.6	10.0	
Mobile cellular prepaid tariff (\$ a month)	..	8.0	8.8	
Fixed broadband Internet access tariff (\$ a month)	..	29.3	18.8	
Trade				
ICT goods exports (% of total goods exports)	18.4	3.9	12.2	
ICT goods imports (% of total goods imports)	6.8	5.0	15.1	
ICT service exports (% of total service exports)	19.4	8.7	5.4	
Applications				
E-gov't Web measure index (0–1, 1=highest presence)	..	0.19	0.30	
Secure Internet servers (per million people)	49.3	86.3	32.2	

Guam

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.16	0.18	1,117
Urban population (% of total)	93	93	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	280	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	47.9	36.9	45.1
Mobile cellular subscriptions (per 100 people)	17.5	59.1	111.2
Fixed broadband Internet subscribers (per 100 people)	..	..	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	16.1	50.6	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.2
International Internet bandwidth (bits per second per person)	..	..	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	38.1	216.8	905.1

Guatemala

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	11	14	3,811
Urban population (% of total)	45	49	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,730	2,650	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.1	3.7	8.5
Adult literacy rate (% ages 15 and older)	69	74	80
Gross primary, secondary, and tertiary enrollment (%)	58	70	64
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	..	3.0
Mobile cellular and fixed-line subscribers per employee	434	..	605
Telecommunications investment (% of revenue)	..	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	6.0	10.1	12.7
Mobile cellular subscriptions (per 100 people)	7.6	123.4	57.8
Fixed broadband Internet subscribers (per 100 people)	..	..	5.5
Personal computers (per 100 people)	1.2	2.1	4.5
Households with a television (%)	54	69	..
Usage			
International voice traffic, total (minutes per person per month)	3.1	17.2	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.7	16.3	17.2
Quality			
Population covered by mobile cellular network (%)	54	76	77
Fixed broadband Internet subscribers (% of total subscribers)	..	..	40.1
International Internet bandwidth (bits per second per person)	1	186	151
Affordability			
Residential fixed line tariff (\$ a month)	..	7.8	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.3	7.1
Fixed broadband Internet access tariff (\$ a month)	..	34.4	30.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.7	21.3
ICT goods imports (% of total goods imports)	9.2	6.3	18.4
ICT service exports (% of total service exports)	0.5	14.1	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.24
Secure Internet servers (per million people)	1.0	9.9	2.7

Guinea

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	10	846
Urban population (% of total)	31	35	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	370	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	3.0	5.4
Adult literacy rate (% ages 15 and older)	..	39	62
Gross primary, secondary, and tertiary enrollment (%)	30	51	56
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	..	2.9
Mobile cellular and fixed-line subscribers per employee	82	..	301
Telecommunications investment (% of revenue)	17.8	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.2	1.2
Mobile cellular subscriptions (per 100 people)	0.5	55.7	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.3	0.5	0.9
Households with a television (%)	9	11	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.9	2.7
Quality			
Population covered by mobile cellular network (%)	..	80	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	0	7
Affordability			
Residential fixed line tariff (\$ a month)	..	3.0	8.8
Mobile cellular prepaid tariff (\$ a month)	..	3.1	8.0
Fixed broadband Internet access tariff (\$ a month)	..	502.5	89.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	0.6
ICT goods imports (% of total goods imports)	1.6	5.8	5.9
ICT service exports (% of total service exports)	1.7	21.6	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.09
Secure Internet servers (per million people)	..	0.4	0.6

Guinea-Bissau

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	1	2	846
Urban population (% of total)	30	30	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	510	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-2.7	1.0	5.4
Adult literacy rate (% ages 15 and older)	41	52	62
Gross primary, secondary, and tertiary enrollment (%)	40	..	56
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)	..	..	2.9
Mobile cellular and fixed-line subscribers per employee	46	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.9	0.3	1.2
Mobile cellular subscriptions (per 100 people)	0.0	34.8	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	0.1
Personal computers (per 100 people)	0.2	0.2	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	2.3	2.7
Quality			
Population covered by mobile cellular network (%)	..	65	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	1	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	0.0	0.6
ICT goods imports (% of total goods imports)	..	2.0	5.9
ICT service exports (% of total service exports)	0.0	0.2	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.09
Secure Internet servers (per million people)	..	0.6	0.6

Guyana

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.76	0.76	3,811
Urban population (% of total)	29	28	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	870	2,660	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.5	2.2	8.5
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	75	81	64
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>C</i>	<i>P</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	10.0	..	3.0
Mobile cellular and fixed-line subscribers per employee	164	439	605
Telecommunications investment (% of revenue)	20.2	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	9.0	17.0	12.7
Mobile cellular subscriptions (per 100 people)	5.3	36.8	57.8
Fixed broadband Internet subscribers (per 100 people)	1.7	6.3	5.5
Personal computers (per 100 people)	2.9	3.5	4.5
Households with a television (%)	65	71	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	6.6	28.9	17.2
Quality			
Population covered by mobile cellular network (%)	..	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	4.2	40.1
International Internet bandwidth (bits per second per person)	11	47	151
Affordability			
Residential fixed line tariff (\$ a month)	..	2.6	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.4	7.1
Fixed broadband Internet access tariff (\$ a month)	..	49.4	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	21.3
ICT goods imports (% of total goods imports)	3.7	3.5	18.4
ICT service exports (% of total service exports)	22.6	18.5	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.24
Secure Internet servers (per million people)	..	6.6	2.7

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	9	10	846
Urban population (% of total)	36	48	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	509
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.5	0.7	5.4
Adult literacy rate (% ages 15 and older)	..	49	62
Gross primary, secondary, and tertiary enrollment (%)	..	..	56
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>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)	..	..	2.9
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	1.2
Mobile cellular subscriptions (per 100 people)	0.6	36.4	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	1.0	0.1
Personal computers (per 100 people)	0.1	5.1	0.9
Households with a television (%)	23	25	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	10.0	2.7
Quality			
Population covered by mobile cellular network (%)	..	..	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	5	16	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	17.4	2.5	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.09
Secure Internet servers (per million people, December 2010)	0.1	1.0	0.6

Honduras

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	6	7	3,811
Urban population (% of total)	44	48	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	930	1,800	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.8	4.9	8.5
Adult literacy rate (% ages 15 and older)	80	84	80
Gross primary, secondary, and tertiary enrollment (%)	63	72	64
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>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)	4.3	7.2	3.0
Mobile cellular and fixed-line subscribers per employee	107	391	605
Telecommunications investment (% of revenue)	16.2	67.1	22.4
Performance			
Access			
Telephone lines (per 100 people)	4.8	11.1	12.7
Mobile cellular subscriptions (per 100 people)	2.5	103.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.3	0.8	5.5
Personal computers (per 100 people)	1.1	2.5	4.5
Households with a television (%)	48	68	..
Usage			
International voice traffic total (minutes per person per month)	..	18.6	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.2	9.8	17.2
Quality			
Population covered by mobile cellular network (%)	83	90	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	40.1
International Internet bandwidth (bits per second per person)	2	241	151
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	..	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	21.3
ICT goods imports (% of total goods imports)	0.5	6.6	18.4
ICT service exports (% of total service exports)	24.2	26.8	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.24
Secure Internet servers (per million people)	0.6	8.3	2.7

Hong Kong SAR, China

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	7	7	1,117
Urban population (% of total)	100	100	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	26,570	31,570	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.8	4.7	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	75	91
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	3.6	3.0
Mobile cellular and fixed-line subscribers per employee	243	980	765
Telecommunications investment (% of revenue)	12.0	12.2	15.5
Performance			
Access			
Telephone lines (per 100 people)	58.9	59.8	45.1
Mobile cellular subscriptions (per 100 people)	81.7	174.3	111.2
Fixed broadband Internet subscribers (per 100 people)	40.0	43.4	24.3
Personal computers (per 100 people)	40.2	69.3	65.4
Households with a television (%)	99	99	98
Usage			
International voice traffic, total (minutes per person per month)	..	119.6	..
Mobile telephone usage (minutes per user per month)	353	459	343
Internet users (per 100 people)	27.8	61.4	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	16.7	67.7	89.2
International Internet bandwidth (bits per second per person)	627	560,989	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	7.1	22.8
Mobile cellular prepaid tariff (\$ a month)	..	0.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	12.8	28.8
Trade			
ICT goods exports (% of total goods exports)	27.3	44.6	12.2
ICT goods imports (% of total goods imports)	30.1	43.6	13.3
ICT service exports (% of total service exports)	1.0	1.7	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	80.1	455.2	905.1

Hungary

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	10	10	1,117
Urban population (% of total)	65	68	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,700	12,980	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.3	2.9	2.0
Adult literacy rate (% ages 15 and older)	..	99	98
Gross primary, secondary, and tertiary enrollment (%)	80	90	91
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	3.8	3.0
Mobile cellular and fixed-line subscribers per employee	330	1,127	765
Telecommunications investment (% of revenue)	16.9	9.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	37.2	30.6	45.1
Mobile cellular subscriptions (per 100 people)	30.1	117.7	111.2
Fixed broadband Internet subscribers (per 100 people)	2.2	19.0	24.3
Personal computers (per 100 people)	8.5	25.6	65.4
Households with a television (%)	95	99	98
Usage			
International voice traffic total (minutes per person per month)	..	13.2	..
Mobile telephone usage (minutes per user per month)	181	160	343
Internet users (per 100 people)	7.0	61.6	72.3
Quality			
Population covered by mobile cellular network (%)	95	99	99
Fixed broadband Internet subscribers (% of total subscribers)	1.5	98.8	89.2
International Internet bandwidth (bits per second per person)	100	5,987	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	24.0	22.8
Mobile cellular prepaid tariff (\$ a month)	..	15.4	14.8
Fixed broadband Internet access tariff (\$ a month)	..	30.3	28.8
Trade			
ICT goods exports (% of total goods exports)	27.7	24.6	12.2
ICT goods imports (% of total goods imports)	23.7	18.8	13.3
ICT service exports (% of total service exports)	3.2	8.8	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.50	0.46
Secure Internet servers (per million people)	12.5	166.1	905.1

Iceland

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.28	0.32	1,117
Urban population (% of total)	92	92	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	30,830	43,430	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.0	3.9	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	90	96	91
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	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)	2.4	2.9	3.0
Mobile cellular and fixed-line subscribers per employee	298	397	765
Telecommunications investment (% of revenue)	33.6	19.5	15.5
Performance			
Access			
Telephone lines (per 100 people)	69.9	58.0	45.1
Mobile cellular subscriptions (per 100 people)	76.5	109.4	111.2
Fixed broadband Internet subscribers (per 100 people)	16.7	35.3	24.3
Personal computers (per 100 people)	39.1	52.7	65.4
Households with a television (%)	97	93	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	167	343
Internet users (per 100 people)	44.5	94.5	72.3
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	5.0	95.0	89.2
International Internet bandwidth (bits per second per person)	157	62,684	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	16.0	22.8
Mobile cellular prepaid tariff (\$ a month)	..	8.3	14.8
Fixed broadband Internet access tariff (\$ a month)	..	33.5	28.8
Trade			
ICT goods exports (% of total goods exports)	0.6	0.4	12.2
ICT goods imports (% of total goods imports)	10.6	4.8	13.3
ICT service exports (% of total service exports)	3.8	4.4	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.40	0.46
Secure Internet servers (per million people)	301.8	2,521.6	905.1

India

	South Asia		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	1,016	1,155	3,811
Urban population (% of total)	28	30	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	450	1,220	2,321
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.9	7.9	8.5
Adult literacy rate (% ages 15 and older)	61	63	80
Gross primary, secondary, and tertiary enrollment (%)	52	63	64
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)	1.5	1.9	3.0
Mobile and fixed-line subscribers per employee	85	..	605
Telecommunications investment (% of revenue)	49.3	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.2	3.2	12.7
Mobile cellular subscriptions (per 100 people)	0.4	45.4	57.8
Fixed broadband Internet subscribers (per 100 people)	0.3	1.3	5.5
Personal computers (per 100 people)	0.5	3.3	4.5
Households with a television (%)	31	55	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	191	385	342
Internet users (per 100 people)	0.5	5.3	17.2
Quality			
Population covered by mobile cellular network (%)	21	61	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	50.8	40.1
International Internet bandwidth (bits per second per person)	1	32	151
Affordability			
Residential fixed line tariff (\$ a month)	..	3.1	4.7
Mobile cellular prepaid tariff (\$ a month)	..	1.4	7.1
Fixed broadband Internet access tariff (\$ a month)	..	5.2	30.4
Trade			
ICT goods exports (% of total goods exports)	1.4	3.8	21.3
ICT goods imports (% of total goods imports)	6.0	8.8	18.4
ICT service exports (% of total service exports)	31.9	53.1	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.24
Secure Internet servers (per million people, December 2010)	0.1	2.2	2.7

Indonesia

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	205	230	3,811
Urban population (% of total)	42	53	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	580	2,050	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-0.6	5.3	8.5
Adult literacy rate (% ages 15 and older)	..	92	80
Gross primary, secondary, and tertiary enrollment (%)	64	74	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	259	1,095	605
Telecommunications investment (% of revenue)	11.4	28.3	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.2	14.8	12.7
Mobile cellular subscriptions (per 100 people)	1.8	69.2	57.8
Fixed broadband Internet subscribers (per 100 people)	0.2	0.8	5.5
Personal computers (per 100 people)	1.0	2.0	4.5
Households with a television (%)	62	69	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	201	342
Internet users (per 100 people)	0.9	8.7	17.2
Quality			
Population covered by mobile cellular network (%)	89	90	77
Fixed broadband Internet subscribers (% of total subscribers)	1.0	57.5	40.1
International Internet bandwidth (bits per second per person)	1	110	151
Affordability			
Residential fixed line tariff (\$ a month)	..	5.6	4.7
Mobile cellular prepaid tariff (\$ a month)	..	2.8	7.1
Fixed broadband Internet access tariff (\$ a month)	..	20.8	30.4
Trade			
ICT goods exports (% of total goods exports)	12.6	5.7	21.3
ICT goods imports (% of total goods imports)	3.0	9.7	18.4
ICT service exports (% of total service exports)	..	8.4	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24	0.24
Secure Internet servers (per million people)	0.3	2.1	2.7

Iran, Islamic Rep.

	Middle East & North Africa		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	64	73	1,002
Urban population (% of total)	64	69	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,670	4,530	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.7	5.4	4.4
Adult literacy rate (% ages 15 and older)	77	85	92
Gross primary, secondary, and tertiary enrollment (%)	72	77	82
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>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.4	3.3
Mobile cellular and fixed-line subscribers per employee	221	913	576
Telecommunications investment (% of revenue)	6.0	74.5	18.0
Performance			
Access			
Telephone lines (per 100 people)	14.8	35.4	22.1
Mobile cellular subscriptions (per 100 people)	1.5	72.1	100.6
Fixed broadband Internet subscribers (per 100 people)	0.4	..	19.4
Personal computers (per 100 people)	6.3	10.6	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	1.0	38.3	34.6
Quality			
Population covered by mobile cellular network (%)	32	95	94
Fixed broadband Internet subscribers (% of total subscribers)	0.1	..	41.6
International Internet bandwidth (bits per second per person)	1	151	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	0.2	10.0
Mobile cellular prepaid tariff (\$ a month)	..	3.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	30.5	18.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	12.2
ICT goods imports (% of total goods imports)	5.5	1.9	15.1
ICT service exports (% of total service exports)	0.0	..	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.30
Secure Internet servers (per million people)	0.0	0.7	32.2

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	25	31	3,811
Urban population (% of total)	68	67	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	2,210	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	17.9	-0.3	8.5
Adult literacy rate (% ages 15 and older)	74	78	80
Gross primary, secondary, and tertiary enrollment (%)	54	61	64
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	M	
Mobile telephone service	..	P	
Internet service	..	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	..	1,098	605
Telecommunications investment (% of revenue)	..	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	2.7	3.5	12.7
Mobile cellular subscriptions (per 100 people)	0.0	62.6	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	0.0	5.5
Personal computers (per 100 people)	0.8	..	4.5
Households with a television (%)	..	88	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	186	342
Internet users (per 100 people)	0.0	1.0	17.2
Quality			
Population covered by mobile cellular network (%)	..	72	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.8	40.1
International Internet bandwidth (bits per second per person)	..	3	151
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	..	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	..	0.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.15	0.24
Secure Internet servers (per million people)	..	0.1	2.7

Ireland

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	4	1,117
Urban population (% of total)	59	62	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,180	44,280	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	9.7	3.9	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	92	100	91
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	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.5	3.0
Mobile cellular and fixed-line subscribers per employee	246	406	765
Telecommunications investment (% of revenue)	14.3	7.1	15.5
Performance			
Access			
Telephone lines (per 100 people)	48.1	46.7	45.1
Mobile cellular subscriptions (per 100 people)	64.7	109.5	111.2
Fixed broadband Internet subscribers (per 100 people)	14.5	24.8	24.3
Personal computers (per 100 people)	35.7	58.2	65.4
Households with a television (%)	..	98	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	243	343
Internet users (per 100 people)	17.8	68.4	72.3
Quality			
Population covered by mobile cellular network (%)	98	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	88.4	89.2
International Internet bandwidth (bits per second per person)	241	15,261	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	43.8	22.8
Mobile cellular prepaid tariff (\$ a month)	..	20.9	14.8
Fixed broadband Internet access tariff (\$ a month)	..	36.4	28.8
Trade			
ICT goods exports (% of total goods exports)	34.5	11.5	12.2
ICT goods imports (% of total goods imports)	34.0	14.0	13.3
ICT service exports (% of total service exports)	45.5	37.1	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.50	0.46
Secure Internet servers (per million people)	90.5	1,004.6	905.1

Isle of Man

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.08	0.08	1,117
Urban population (% of total)	52	51	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,980	49,310	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	10.4	6.2	2.0
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, and tertiary enrollment (%)	91
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)	3.0
Mobile cellular and fixed-line subscribers per employee	765
Telecommunications investment (% of revenue)	15.5
Performance			
Access			
Telephone lines (per 100 people)	45.1
Mobile cellular subscriptions (per 100 people)	111.2
Fixed broadband Internet subscribers (per 100 people)	24.3
Personal computers (per 100 people)	65.4
Households with a television (%)	98
Usage			
International voice traffic, total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	343
Internet users (per 100 people)	72.3
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband Internet subscribers (% of total subscribers)	89.2
International Internet bandwidth (bits per second per person)	19,521
Affordability			
Residential fixed line tariff (\$ a month)	22.8
Mobile cellular prepaid tariff (\$ a month)	14.8
Fixed broadband Internet access tariff (\$ a month)	28.8
Trade			
ICT goods exports (% of total goods exports)	12.2
ICT goods imports (% of total goods imports)	13.3
ICT service exports (% of total service exports)	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	0.46
Secure Internet servers (per million people)	77.4	857.6	905.1

Israel

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	6	7	1,117
Urban population (% of total)	91	92	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	17,840	25,790	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.6	3.6	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	88	91	91
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	4.0	3.0
Mobile cellular and fixed-line subscribers per employee	618	692	765
Telecommunications investment (% of revenue)	16.1	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	47.3	43.7	45.1
Mobile cellular subscriptions (per 100 people)	70.0	121.2	111.2
Fixed broadband Internet subscribers (per 100 people)	12.8	23.5	24.3
Personal computers (per 100 people)	25.3	24.2	65.4
Households with a television (%)	93	90	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	361	342	343
Internet users (per 100 people)	20.2	49.7	72.3
Quality			
Population covered by mobile cellular network (%)	97	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.2	89.2
International Internet bandwidth (bits per second per person)	53	2,003	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	17.0	22.8
Mobile cellular prepaid tariff (\$ a month)	..	13.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	6.7	28.8
Trade			
ICT goods exports (% of total goods exports)	25.2	19.2	12.2
ICT goods imports (% of total goods imports)	16.4	11.0	13.3
ICT service exports (% of total service exports)	28.7	36.1	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.58	0.46
Secure Internet servers (per million people)	46.7	399.1	905.1

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	57	60	1,117
Urban population (% of total)	67	68	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,890	35,110	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.8	0.5	2.0
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, and tertiary enrollment (%)	81	92	91
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)	2.2	2.9	3.0
Mobile cellular and fixed-line subscribers per employee	915	1,657	765
Telecommunications investment (% of revenue)	26.7	14.6	15.5
Performance			
Access			
Telephone lines (per 100 people)	47.7	35.4	45.1
Mobile cellular subscriptions (per 100 people)	74.2	150.5	111.2
Fixed broadband Internet subscribers (per 100 people)	10.2	34.3	24.3
Personal computers (per 100 people)	18.1	36.7	65.4
Households with a television (%)	95	94	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	116	135	343
Internet users (per 100 people)	23.2	48.5	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	55.0	89.2
International Internet bandwidth (bits per second per person)	168	12,989	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	28.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	18.4	14.8
Fixed broadband Internet access tariff (\$ a month)	..	28.8	28.8
Trade			
ICT goods exports (% of total goods exports)	5.3	3.0	12.2
ICT goods imports (% of total goods imports)	9.9	6.7	13.3
ICT service exports (% of total service exports)	3.0	2.4	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.46
Secure Internet servers (per million people)	18.3	154.2	905.1

Jamaica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2009
Economic and social context			
Population (millions)		3	3
Urban population (% of total)		52	54
GNI per capita, <i>World Bank Atlas</i> method (\$)		3,310	4,590
GDP growth, 1995–2000 and 2000–09 (avg. annual %)		-0.5	1.5
Adult literacy rate (% ages 15 and older)		80	86
Gross primary, secondary, and tertiary enrollment (%)		75	80
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	C
Internet service		C	C
Efficiency and capacity			
Telecommunications revenue (% of GDP)		5.3	1.4
Mobile cellular and fixed-line subscribers per employee		268	678
Telecommunications investment (% of revenue)		32.5	31.2
Performance			
Access			
Telephone lines (per 100 people)		19.1	11.2
Mobile cellular subscriptions (per 100 people)		14.2	110.1
Fixed broadband Internet subscribers (per 100 people)		..	4.2
Personal computers (per 100 people)		4.6	6.8
Households with a television (%)	
Usage			
International voice traffic total (minutes per person per month)		..	18.7
Mobile telephone usage (minutes per user per month)	
Internet users (per 100 people)		3.1	58.6
Quality			
Population covered by mobile cellular network (%)		80	95
Fixed broadband Internet subscribers (% of total subscribers)		..	99.8
International Internet bandwidth (bits per second per person)		28	741
Affordability			
Residential fixed line tariff (\$ a month)		..	9.6
Mobile cellular prepaid tariff (\$ a month)		..	5.6
Fixed broadband Internet access tariff (\$ a month)		..	22.2
Trade			
ICT goods exports (% of total goods exports)		0.3	0.8
ICT goods imports (% of total goods imports)		5.7	3.9
ICT service exports (% of total service exports)		12.3	7.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)		..	0.23
Secure Internet servers (per million people)		1.9	39.1

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	127	128	1,117
Urban population (% of total)	65	67	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,620	38,080	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.6	1.1	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	83	87	91
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	3.0
Mobile cellular and fixed-line subscribers per employee	830	12	765
Telecommunications investment (% of revenue)	26.8	13.1	15.5
Performance			
Access			
Telephone lines (per 100 people)	48.8	34.8	45.1
Mobile cellular subscriptions (per 100 people)	52.6	90.1	111.2
Fixed broadband Internet subscribers (per 100 people)	14.3	26.5	24.3
Personal computers (per 100 people)	31.5	40.7	65.4
Households with a television (%)	99	99	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	184	137	343
Internet users (per 100 people)	30.0	77.7	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	4.7	44.0	89.2
International Internet bandwidth (bits per second per person)	57	5,770	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	22.8	22.8
Mobile cellular prepaid tariff (\$ a month)	..	44.3	14.8
Fixed broadband Internet access tariff (\$ a month)	..	37.4	28.8
Trade			
ICT goods exports (% of total goods exports)	25.8	14.7	12.2
ICT goods imports (% of total goods imports)	17.6	12.0	13.3
ICT service exports (% of total service exports)	3.5	1.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.67	0.46
Secure Internet servers (per million people)	40.5	650.2	905.1

Jordan

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	5	6	3,811
Urban population (% of total)	78	78	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,790	3,980	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.2	6.9	8.5
Adult literacy rate (% ages 15 and older)	..	92	80
Gross primary, secondary, and tertiary enrollment (%)	75	77	64
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)	6.7	6.3	3.0
Mobile cellular and fixed-line subscribers per employee	163	1,132	605
Telecommunications investment (% of revenue)	38.5	11.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	12.9	8.4	12.7
Mobile cellular subscriptions (per 100 people)	8.1	101.1	57.8
Fixed broadband Internet subscribers (per 100 people)	0.7	4.1	5.5
Personal computers (per 100 people)	3.1	7.6	4.5
Households with a television (%)	96	97	..
Usage			
International voice traffic total (minutes per person per month)	..	21.5	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	2.7	29.3	17.2
Quality			
Population covered by mobile cellular network (%)	99	99	77
Fixed broadband Internet subscribers (% of total subscribers)	0.6	83.2	40.1
International Internet bandwidth (bits per second per person)	18	1,811	151
Affordability			
Residential fixed line tariff (\$ a month)	..	9.4	4.7
Mobile cellular prepaid tariff (\$ a month)	..	5.7	7.1
Fixed broadband Internet access tariff (\$ a month)	..	30.4	30.4
Trade			
ICT goods exports (% of total goods exports)	3.7	3.1	21.3
ICT goods imports (% of total goods imports)	5.9	5.4	18.4
ICT service exports (% of total service exports)	..	0.0	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.53	0.24
Secure Internet servers (per million people)	0.4	19.7	2.7

Kazakhstan

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	15	16	1,002
Urban population (% of total)	56	58	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,260	6,920	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.9	8.8	4.4
Adult literacy rate (% ages 15 and older)	100	100	92
Gross primary, secondary, and tertiary enrollment (%)	79	90	82
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>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	2.9	3.3
Mobile cellular and fixed-line subscribers per employee	66	253	576
Telecommunications investment (% of revenue)	26.7	22.5	18.0
Performance			
Access			
Telephone lines (per 100 people)	12.3	23.7	22.1
Mobile cellular subscriptions (per 100 people)	1.3	94.4	100.6
Fixed broadband Internet subscribers (per 100 people)	..	11.3	19.4
Personal computers (per 100 people)	..	..	11.2
Households with a television (%)	92	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	4.3	..
Mobile telephone usage (minutes per user per month)	..	92	157
Internet users (per 100 people)	0.7	33.4	34.6
Quality			
Population covered by mobile cellular network (%)	94	94	94
Fixed broadband Internet subscribers (% of total subscribers)	..	75.9	41.6
International Internet bandwidth (bits per second per person)	1	1,342	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	1.9	10.0
Mobile cellular prepaid tariff (\$ a month)	..	8.8	8.8
Fixed broadband Internet access tariff (\$ a month)	..	17.2	18.8
Trade			
ICT goods exports (% of total goods exports)	0.6	0.1	12.2
ICT goods imports (% of total goods imports)	7.1	4.3	15.1
ICT service exports (% of total service exports)	3.4	3.0	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.53	0.30
Secure Internet servers (per million people)	0.5	5.3	32.2

Kenya

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	31	40	846
Urban population (% of total)	20	22	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	420	760	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.2	4.4	5.4
Adult literacy rate (% ages 15 and older)	74	87	62
Gross primary, secondary, and tertiary enrollment (%)	53	59	56
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)	2.4	6.4	2.9
Mobile cellular and fixed-line subscribers per employee	21	2,354	301
Telecommunications investment (% of revenue)	88.5	38.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.9	1.7	1.2
Mobile cellular subscriptions (per 100 people)	0.4	48.7	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	0.0	0.1
Personal computers (per 100 people)	0.5	1.4	0.9
Households with a television (%)	..	19	..
Usage			
International voice traffic total (minutes per person per month)	..	0.5	..
Mobile telephone usage (minutes per user per month)	..	59	..
Internet users (per 100 people)	0.3	10.0	2.7
Quality			
Population covered by mobile cellular network (%)	..	83	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	99.0	5.4
International Internet bandwidth (bits per second per person)	0	477	7
Affordability			
Residential fixed line tariff (\$ a month)	..	10.1	8.8
Mobile cellular prepaid tariff (\$ a month)	..	7.5	8.0
Fixed broadband Internet access tariff (\$ a month)	..	39.8	89.9
Trade			
ICT goods exports (% of total goods exports)	0.1	1.3	0.6
ICT goods imports (% of total goods imports)	5.3	6.2	5.9
ICT service exports (% of total service exports)	2.2	14.5	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24	0.09
Secure Internet servers (per million people)	0.0	2.6	0.6

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.08	0.10	3,811
Urban population (% of total)	43	44	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,380	1,830	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.2	1.3	8.5
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	81	76	64
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</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>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	..	3.0
Mobile cellular and fixed-line subscribers per employee	28	..	605
Telecommunications investment (% of revenue)	..	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	4.0	4.1	12.7
Mobile cellular subscriptions (per 100 people)	0.4	1.0	57.8
Fixed broadband Internet subscribers (per 100 people)	0.6	..	5.5
Personal computers (per 100 people)	1.0	1.1	4.5
Households with a television (%)	..	11	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.8	2.0	17.2
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	40.1
International Internet bandwidth (bits per second per person)	2	..	151
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	..	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	9.0	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.24
Secure Internet servers (per million people)	..	10.0	2.7

Korea, Dem. Rep.

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	23	24	846
Urban population (% of total)	60	63	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	5.4
Adult literacy rate (% ages 15 and older)	..	100	62
Gross primary, secondary, and tertiary enrollment (%)	..	..	56
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)	..	..	2.9
Mobile cellular and fixed-line subscribers per employee	..	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.2	4.9	1.2
Mobile cellular subscriptions (per 100 people)	0.0	0.3	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	0.1
Personal computers (per 100 people)	..	..	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	200	..
Internet users (per 100 people)	0.0	0.0	2.7
Quality			
Population covered by mobile cellular network (%)	0	0	53
Fixed broadband Internet subscribers (% of total subscribers)	..	..	5.4
International Internet bandwidth (bits per second per person)	0	0	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.09
Secure Internet servers (per million people)	..	0.0	0.6

Korea, Rep.

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	47	49	1,117
Urban population (% of total)	80	82	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,910	19,830	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	4.2	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	92	99	91
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)	3.9	4.7	3.0
Mobile cellular and fixed-line subscribers per employee	758	657	765
Telecommunications investment (% of revenue)	37.4	14.3	15.5
Performance			
Access			
Telephone lines (per 100 people)	55.0	39.6	45.1
Mobile cellular subscriptions (per 100 people)	57.0	98.4	111.2
Fixed broadband Internet subscribers (per 100 people)	10.9	33.5	24.3
Personal computers (per 100 people)	39.6	57.6	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	5.3	..
Mobile telephone usage (minutes per user per month)	149	299	343
Internet users (per 100 people)	40.5	80.9	72.3
Quality			
Population covered by mobile cellular network (%)	99	94	99
Fixed broadband Internet subscribers (% of total subscribers)	75.5	100.0	89.2
International Internet bandwidth (bits per second per person)	48	6,065	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	5.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	12.2	14.8
Fixed broadband Internet access tariff (\$ a month)	..	25.3	28.8
Trade			
ICT goods exports (% of total goods exports)	35.7	22.6	12.2
ICT goods imports (% of total goods imports)	24.4	14.6	13.3
ICT service exports (% of total service exports)	1.3	1.5	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	1.00	0.46
Secure Internet servers (per million people)	7.3	1,140.4	905.1

Kosovo

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	2	2	3,811
Urban population (% of total)	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	3,240	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	4.8	8.5
Adult literacy rate (% ages 15 and older)	80
Gross primary, secondary, and tertiary enrollment (%)	64
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
Mobile cellular and fixed-line subscribers per employee	605
Telecommunications investment (% of revenue)	22.4
Performance			
Access			
Telephone lines (per 100 people)	12.7
Mobile cellular subscriptions (per 100 people)	57.8
Fixed broadband Internet subscribers (per 100 people)	5.5
Personal computers (per 100 people)	4.5
Households with a television (%)
Usage			
International voice traffic total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	..	56	342
Internet users (per 100 people)	17.2
Quality			
Population covered by mobile cellular network (%)	77
Fixed broadband Internet subscribers (% of total subscribers)	40.1
International Internet bandwidth (bits per second per person)	151
Affordability			
Residential fixed line tariff (\$ a month)	4.7
Mobile cellular prepaid tariff (\$ a month)	7.1
Fixed broadband Internet access tariff (\$ a month)	30.4
Trade			
ICT goods exports (% of total goods exports)	21.3
ICT goods imports (% of total goods imports)	18.4
ICT service exports (% of total service exports)	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	0.24
Secure Internet servers (per million people)	2.7

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	2	3	1,117
Urban population (% of total)	98	98	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,790	43,930	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.8	8.4	2.0
Adult literacy rate (% ages 15 and older)	..	94	98
Gross primary, secondary, and tertiary enrollment (%)	78	74	91
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>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	3.0
Mobile cellular and fixed-line subscribers per employee	123	372	765
Telecommunications investment (% of revenue)	19.7	27.0	15.5
Performance			
Access			
Telephone lines (per 100 people)	21.3	19.8	45.1
Mobile cellular subscriptions (per 100 people)	21.7	106.6	111.2
Fixed broadband Internet subscribers (per 100 people)	..	11.2	24.3
Personal computers (per 100 people)	11.4	23.7	65.4
Households with a television (%)	100	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	6.8	39.4	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	..	8.8	89.2
International Internet bandwidth (bits per second per person)	26	871	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	8.6	22.8
Mobile cellular prepaid tariff (\$ a month)	..	7.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	19.2	28.8
Trade			
ICT goods exports (% of total goods exports)	..	0.4	12.2
ICT goods imports (% of total goods imports)	..	7.2	13.3
ICT service exports (% of total service exports)	0.0	60.9	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.46	0.46
Secure Internet servers (per million people)	1.8	132.7	905.1

Kyrgyz Republic

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	5	846
Urban population (% of total)	35	36	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	870	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.4	4.6	5.4
Adult literacy rate (% ages 15 and older)	99	99	62
Gross primary, secondary, and tertiary enrollment (%)	76	77	56
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>P</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	4.8	2.9
Mobile cellular 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	9.4	1.2
Mobile cellular subscriptions (per 100 people)	0.2	84.3	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	0.9	0.1
Personal computers (per 100 people)	0.5	1.9	0.9
Households with a television (%)	..	99	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	1.0	41.2	2.7
Quality			
Population covered by mobile cellular network (%)	..	24	53
Fixed broadband Internet subscribers (% of total subscribers)	0.8	11.1	5.4
International Internet bandwidth (bits per second per person)	2	112	7
Affordability			
Residential fixed line tariff (\$ a month)	..	1.3	8.8
Mobile cellular prepaid tariff (\$ a month)	..	2.9	8.0
Fixed broadband Internet access tariff (\$ a month)	..	48.1	89.9
Trade			
ICT goods exports (% of total goods exports)	0.8	0.3	0.6
ICT goods imports (% of total goods imports)	4.6	2.6	5.9
ICT service exports (% of total service exports)	15.7	1.2	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32	0.09
Secure Internet servers (per million people)	0.4	1.1	0.6

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	6	846
Urban population (% of total)	22	32	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	880	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.1	6.9	5.4
Adult literacy rate (% ages 15 and older)	70	73	62
Gross primary, secondary, and tertiary enrollment (%)	55	59	56
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	1.8	2.9
Mobile cellular 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	2.1	1.2
Mobile cellular subscriptions (per 100 people)	0.2	51.2	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.3	1.7	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	4.7	2.7
Quality			
Population covered by mobile cellular network (%)	..	55	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	116.2	5.4
International Internet bandwidth (bits per second per person)	0	142	7
Affordability			
Residential fixed line tariff (\$ a month)	..	3.8	8.8
Mobile cellular prepaid tariff (\$ a month)	..	3.5	8.0
Fixed broadband Internet access tariff (\$ a month)	..	194.3	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	8.3	8.5	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.08	0.09
Secure Internet servers (per million people)	..	0.8	0.6

Latvia

High income

	Country data		High income group
	2000	2009	2009
Economic and social context			
Population (millions)	2	2	1,117
Urban population (% of total)	68	68	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,220	12,390	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.7	6.2	2.0
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, and tertiary enrollment (%)	84	93	91
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>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	4.0	3.0
Mobile cellular and fixed-line subscribers per employee	263	697	765
Telecommunications investment (% of revenue)	20.9	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	31.0	28.6	45.1
Mobile cellular subscriptions (per 100 people)	16.9	99.5	111.2
Fixed broadband Internet subscribers (per 100 people)	1.4	6.4	24.3
Personal computers (per 100 people)	14.3	32.7	65.4
Households with a television (%)	..	99	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	176	343
Internet users (per 100 people)	6.3	66.7	72.3
Quality			
Population covered by mobile cellular network (%)	89	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.8	100.1	89.2
International Internet bandwidth (bits per second per person)	65	3,537	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	11.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	7.3	14.8
Fixed broadband Internet access tariff (\$ a month)	..	24.9	28.8
Trade			
ICT goods exports (% of total goods exports)	1.7	6.1	12.2
ICT goods imports (% of total goods imports)	7.7	6.2	13.3
ICT service exports (% of total service exports)	3.5	5.9	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.42	0.46
Secure Internet servers (per million people)	18.2	173.0	905.1

Lebanon

	Middle East & North Africa		Upper middle income	
			Upper middle-income group	
	Country data		2000	2009
Economic and social context				
Population (millions)		4	4	1,002
Urban population (% of total)		86	87	75
GNI per capita, <i>World Bank Atlas</i> method (\$)		4,690	8,060	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)		1.2	4.6	4.4
Adult literacy rate (% ages 15 and older)		..	90	92
Gross primary, secondary, and tertiary enrollment (%)		..	80	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)		3.4	7.9	3.3
Mobile cellular and fixed-line subscribers per employee		210	..	576
Telecommunications investment (% of revenue)		18.0
Performance				
Access				
Telephone lines (per 100 people)		15.3	17.8	22.1
Mobile cellular subscriptions (per 100 people)		19.7	36.1	100.6
Fixed broadband Internet subscribers (per 100 people)		2.2	7.5	19.4
Personal computers (per 100 people)		4.6	10.2	11.2
Households with a television (%)		..	98	93
Usage				
International voice traffic, total (minutes per person per month)		..	15.9	..
Mobile telephone usage (minutes per user per month)		157
Internet users (per 100 people)		8.0	23.7	34.6
Quality				
Population covered by mobile cellular network (%)		..	100	94
Fixed broadband Internet subscribers (% of total subscribers)		0.0	67.0	41.6
International Internet bandwidth (bits per second per person)		10	223	1,120
Affordability				
Residential fixed line tariff (\$ a month)		..	10.3	10.0
Mobile cellular prepaid tariff (\$ a month)		..	15.8	8.8
Fixed broadband Internet access tariff (\$ a month)		..	22.7	18.8
Trade				
ICT goods exports (% of total goods exports)		1.6	3.0	12.2
ICT goods imports (% of total goods imports)		4.5	3.5	15.1
ICT service exports (% of total service exports)		1.4	2.9	5.4
Applications				
E-gov't Web measure index (0–1, 1=highest presence)		..	0.27	0.30
Secure Internet servers (per million people)		5.0	28.4	32.2

Lesotho

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	2	2	3,811
Urban population (% of total)	20	26	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	550	980	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.7	3.1	8.5
Adult literacy rate (% ages 15 and older)	86	90	80
Gross primary, secondary, and tertiary enrollment (%)	61	59	64
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)	1.5	0.6	3.0
Mobile cellular and fixed-line subscribers per employee	126	1,111	605
Telecommunications investment (% of revenue)	9.8	20.9	22.4
Performance			
Access			
Telephone lines (per 100 people)	1.2	1.9	12.7
Mobile cellular subscriptions (per 100 people)	1.1	32.0	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	5.5
Personal computers (per 100 people)	0.1	0.3	4.5
Households with a television (%)	12	13	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	38	342
Internet users (per 100 people)	0.2	3.7	17.2
Quality			
Population covered by mobile cellular network (%)	21	55	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.8	40.1
International Internet bandwidth (bits per second per person)	0	5	151
Affordability			
Residential fixed line tariff (\$ a month)	..	12.8	4.7
Mobile cellular prepaid tariff (\$ a month)	..	12.9	7.1
Fixed broadband Internet access tariff (\$ a month)	..	50.0	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	..	8.0	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26	0.24
Secure Internet servers (per million people)	..	0.5	2.7

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	4	846
Urban population (% of total)	54	61	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	140	160	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	38.9	0.0	5.4
Adult literacy rate (% ages 15 and older)	..	59	62
Gross primary, secondary, and tertiary enrollment (%)	65	..	56
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>	..	
Mobile telephone service	..	<i>P</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	8.2	2.9
Mobile cellular and fixed-line subscribers per employee	..	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.1	1.2
Mobile cellular subscriptions (per 100 people)	0.1	21.3	26.6
Fixed broadband Internet subscribers (per 100 people)	..	0.4	0.1
Personal computers (per 100 people)	..	..	0.9
Households with a television (%)	..	9	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	29	..
Internet users (per 100 people)	0.0	0.5	2.7
Quality			
Population covered by mobile cellular network (%)	..	16	53
Fixed broadband Internet subscribers (% of total subscribers)	..	..	5.4
International Internet bandwidth (bits per second per person)	0	..	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.09
Secure Internet servers (per million people)	..	0.7	0.6

Libya

	Middle East & North Africa		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	6	1,002
Urban population (% of total)	76	78	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,610	12,020	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	5.4	4.4
Adult literacy rate (% ages 15 and older)	..	89	92
Gross primary, secondary, and tertiary enrollment (%)	96	96	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>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.3
Mobile cellular and fixed-line subscribers per employee	46	1,717	576
Telecommunications investment (% of revenue)	..	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	11.3	17.1	22.1
Mobile cellular subscriptions (per 100 people)	0.7	77.9	100.6
Fixed broadband Internet subscribers (per 100 people)	..	1.4	19.4
Personal computers (per 100 people)	2.4	2.2	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	0.2	5.5	34.6
Quality			
Population covered by mobile cellular network (%)	..	71	94
Fixed broadband Internet subscribers (% of total subscribers)	..	11.7	41.6
International Internet bandwidth (bits per second per person)	0	50	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	..	10.0
Mobile cellular prepaid tariff (\$ a month)	..	..	8.8
Fixed broadband Internet access tariff (\$ a month)	..	..	18.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	15.1
ICT service exports (% of total service exports)	2.3	2.6	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.30
Secure Internet servers (per million people)	..	1.4	32.2

Liechtenstein

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.03	0.04	1,117
Urban population (% of total)	15	14	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	79,640	136,630	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	7.5	2.5	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	86	91
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	P	
Mobile telephone service	..	P	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.4	3.0
Mobile cellular and fixed-line subscribers per employee	301	369	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	61.1	54.6	45.1
Mobile cellular subscriptions (per 100 people)	30.4	97.5	111.2
Fixed broadband Internet subscribers (per 100 people)	24.3	47.3	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	36.5	64.0	72.3
Quality			
Population covered by mobile cellular network (%)	90	95	99
Fixed broadband Internet subscribers (% of total subscribers)	10.3	83.8	89.2
International Internet bandwidth (bits per second per person)	..	4,210	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.52	0.46
Secure Internet servers (per million people)	541.4	5,747.4	905.1

Lithuania

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	3	1,002
Urban population (% of total)	67	67	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,200	11,410	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.6	6.3	4.4
Adult literacy rate (% ages 15 and older)	100	100	92
Gross primary, secondary, and tertiary enrollment (%)	87	92	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>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	2.8	3.3
Mobile cellular and fixed-line subscribers per employee	283	402	576
Telecommunications investment (% of revenue)	49.8	14.5	18.0
Performance			
Access			
Telephone lines (per 100 people)	33.9	22.4	22.1
Mobile cellular subscriptions (per 100 people)	15.0	148.6	100.6
Fixed broadband Internet subscribers (per 100 people)	1.5	19.0	19.4
Personal computers (per 100 people)	6.9	24.2	11.2
Households with a television (%)	..	98	93
Usage			
International voice traffic total (minutes per person per month)	..	11.0	..
Mobile telephone usage (minutes per user per month)	..	145	157
Internet users (per 100 people)	6.4	58.8	34.6
Quality			
Population covered by mobile cellular network (%)	100	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	99.7	41.6
International Internet bandwidth (bits per second per person)	14	14,300	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	14.3	10.0
Mobile cellular prepaid tariff (\$ a month)	..	8.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	15.2	18.8
Trade			
ICT goods exports (% of total goods exports)	5.2	2.9	12.2
ICT goods imports (% of total goods imports)	5.6	4.3	15.1
ICT service exports (% of total service exports)	4.8	3.8	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.30
Secure Internet servers (per million people)	12.4	176.0	32.2

Luxembourg

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.44	0.50	1,117
Urban population (% of total)	84	82	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	43,660	76,710	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.3	3.6	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	75	75	91
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	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)	1.4	1.3	3.0
Mobile cellular and fixed-line subscribers per employee	622	691	765
Telecommunications investment (% of revenue)	20.3	23.9	15.5
Performance			
Access			
Telephone lines (per 100 people)	57.0	55.0	45.1
Mobile cellular subscriptions (per 100 people)	69.5	144.4	111.2
Fixed broadband Internet subscribers (per 100 people)	5.6	31.9	24.3
Personal computers (per 100 people)	45.8	67.3	65.4
Households with a television (%)	93	100	98
Usage			
International voice traffic, total (minutes per person per month)	114.0	140.7	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	22.9	85.3	72.3
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	91.7	89.2
International Internet bandwidth (bits per second per person)	690	7,1625,91	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	29.7	22.8
Mobile cellular prepaid tariff (\$ a month)	..	12.6	14.8
Fixed broadband Internet access tariff (\$ a month)	..	42.0	28.8
Trade			
ICT goods exports (% of total goods exports)	14.1	4.8	12.2
ICT goods imports (% of total goods imports)	12.1	5.7	13.3
ICT service exports (% of total service exports)	4.2	7.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.38	0.46
Secure Internet servers (per million people)	120.0	1,413.2	905.1

Macao SAR, China

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.44	0.54	1,117
Urban population (% of total)	100	100	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,350	39,550	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-1.1	14.7	2.0
Adult literacy rate (% ages 15 and older)	91	93	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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	2.2	3.0
Mobile cellular and fixed-line subscribers per employee	317	821	765
Telecommunications investment (% of revenue)	14.1	15.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	40.1	31.7	45.1
Mobile cellular subscriptions (per 100 people)	32.0	192.8	111.2
Fixed broadband Internet subscribers (per 100 people)	6.3	23.8	24.3
Personal computers (per 100 people)	15.9	38.4	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	59.9	..
Mobile telephone usage (minutes per user per month)	..	112	343
Internet users (per 100 people)	13.6	52.2	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	13.5	98.4	89.2
International Internet bandwidth (bits per second per person)	240	14,229	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	9.0	22.8
Mobile cellular prepaid tariff (\$ a month)	..	2.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	8.9	28.8
Trade			
ICT goods exports (% of total goods exports)	4.3	6.3	12.2
ICT goods imports (% of total goods imports)	7.2	11.3	13.3
ICT service exports (% of total service exports)	0.9	0.6	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	17.8	208.2	905.1

Macedonia, FYR

	Europe & Central Asia		Upper middle income	
	Country data		Upper middle-income group	
	2000	2009	2009	
Economic and social context				
Population (millions)	2	2	1,002	
Urban population (% of total)	63	67	75	
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,840	4,400	7,502	
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.0	3.1	4.4	
Adult literacy rate (% ages 15 and older)	96	97	92	
Gross primary, secondary, and tertiary enrollment (%)	70	71	82	
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	6.3	3.3	
Mobile cellular and fixed-line subscribers per employee	168	1,065	576	
Telecommunications investment (% of revenue)	26.7	31.2	18.0	
Performance				
Access				
Telephone lines (per 100 people)	25.2	21.7	22.1	
Mobile cellular subscriptions (per 100 people)	5.8	95.1	100.6	
Fixed broadband Internet subscribers (per 100 people)	1.5	10.7	19.4	
Personal computers (per 100 people)	3.6	36.8	11.2	
Households with a television (%)	..	99	93	
Usage				
International voice traffic, total (minutes per person per month)	..	21.3	..	
Mobile telephone usage (minutes per user per month)	..	112	157	
Internet users (per 100 people)	2.5	51.8	34.6	
Quality				
Population covered by mobile cellular network (%)	90	100	94	
Fixed broadband Internet subscribers (% of total subscribers)	..	98.6	41.6	
International Internet bandwidth (bits per second per person)	25	17	1,120	
Affordability				
Residential fixed line tariff (\$ a month)	..	13.4	10.0	
Mobile cellular prepaid tariff (\$ a month)	..	13.4	8.8	
Fixed broadband Internet access tariff (\$ a month)	..	14.2	18.8	
Trade				
ICT goods exports (% of total goods exports)	0.3	0.5	12.2	
ICT goods imports (% of total goods imports)	4.4	5.5	15.1	
ICT service exports (% of total service exports)	12.7	14.3	5.4	
Applications				
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32	0.30	
Secure Internet servers (per million people)	..	24.5	32.2	

Madagascar

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	15	20	846
Urban population (% of total)	27	30	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	430	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.9	3.6	5.4
Adult literacy rate (% ages 15 and older)	71	64	62
Gross primary, secondary, and tertiary enrollment (%)	45	66	56
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)	10.3	3.9	2.9
Mobile cellular and fixed-line subscribers per employee	44	2,427	301
Telecommunications investment (% of revenue)	14.0	32.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.9	1.2
Mobile cellular subscriptions (per 100 people)	0.4	30.6	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	0.0	0.1
Personal computers (per 100 people)	0.2	0.6	0.9
Households with a television (%)	..	18	..
Usage			
International voice traffic total (minutes per person per month)	..	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.6	2.7
Quality			
Population covered by mobile cellular network (%)	21	23	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	50.4	5.4
International Internet bandwidth (bits per second per person)	0	12	7
Affordability			
Residential fixed line tariff (\$ a month)	..	12.2	8.8
Mobile cellular prepaid tariff (\$ a month)	..	10.5	8.0
Fixed broadband Internet access tariff (\$ a month)	..	101.6	89.9
Trade			
ICT goods exports (% of total goods exports)	0.9	1.6	0.6
ICT goods imports (% of total goods imports)	3.4	3.9	5.9
ICT service exports (% of total service exports)	..	0.5	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.09
Secure Internet servers (per million people)	..	0.5	0.6

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	12	15	846
Urban population (% of total)	15	19	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	150	290	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.8	4.8	5.4
Adult literacy rate (% ages 15 and older)	64	74	62
Gross primary, secondary, and tertiary enrollment (%)	68	59	56
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>M</i>	<i>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	3.6	2.9
Mobile cellular and fixed-line subscribers per employee	33	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.1	1.2
Mobile cellular subscriptions (per 100 people)	0.4	15.7	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.7	0.1
Personal computers (per 100 people)	0.1	0.2	0.9
Households with a television (%)	3	9	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	4.7	2.7
Quality			
Population covered by mobile cellular network (%)	20	93	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	2.4	5.4
International Internet bandwidth (bits per second per person)	0	5	7
Affordability			
Residential fixed line tariff (\$ a month)	..	3.3	8.8
Mobile cellular prepaid tariff (\$ a month)	..	10.8	8.0
Fixed broadband Internet access tariff (\$ a month)	..	492.6	89.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	0.6
ICT goods imports (% of total goods imports)	4.6	5.3	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.09
Secure Internet servers (per million people)	..	0.3	0.6

Malaysia

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	23	27	1,002
Urban population (% of total)	62	71	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,450	7,350	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.7	5.1	4.4
Adult literacy rate (% ages 15 and older)	89	92	92
Gross primary, secondary, and tertiary enrollment (%)	68	72	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 cellular and fixed-line subscribers per employee	394	571	576
Telecommunications investment (% of revenue)	27.7	22.5	18.0
Performance			
Access			
Telephone lines (per 100 people)	19.9	15.7	22.1
Mobile cellular subscriptions (per 100 people)	22.0	110.6	100.6
Fixed broadband Internet subscribers (per 100 people)	7.1	20.4	19.4
Personal computers (per 100 people)	9.5	23.1	11.2
Households with a television (%)	..	97	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	204	197	157
Internet users (per 100 people)	21.4	57.6	34.6
Quality			
Population covered by mobile cellular network (%)	95	92	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	29.9	41.6
International Internet bandwidth (bits per second per person)	23	5,097	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	4.8	10.0
Mobile cellular prepaid tariff (\$ a month)	..	4.9	8.8
Fixed broadband Internet access tariff (\$ a month)	..	19.0	18.8
Trade			
ICT goods exports (% of total goods exports)	56.6	38.1	12.2
ICT goods imports (% of total goods imports)	45.8	32.0	15.1
ICT service exports (% of total service exports)	1.9	7.0	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.63	0.30
Secure Internet servers (per million people)	6.1	42.2	32.2

Maldives

	South Asia		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	0.27	0.31	3,811
Urban population (% of total)	28	39	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,150	3,970	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	8.5	6.4	8.5
Adult literacy rate (% ages 15 and older)	96	98	80
Gross primary, secondary, and tertiary enrollment (%)	78	69	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	60	353	605
Telecommunications investment (% of revenue)	21.6	15.2	22.4
Performance			
Access			
Telephone lines (per 100 people)	9.0	15.8	12.7
Mobile cellular subscriptions (per 100 people)	2.8	147.9	57.8
Fixed broadband Internet subscribers (per 100 people)	0.4	6.5	5.5
Personal computers (per 100 people)	3.7	20.2	4.5
Households with a television (%)	57	85	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	2.2	28.4	17.2
Quality			
Population covered by mobile cellular network (%)	40	100	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	89.0	40.1
International Internet bandwidth (bits per second per person)	11	3,028	151
Affordability			
Residential fixed line tariff (\$ a month)	..	4.1	4.7
Mobile cellular prepaid tariff (\$ a month)	..	3.5	7.1
Fixed broadband Internet access tariff (\$ a month)	..	9.4	30.4
Trade			
ICT goods exports (% of total goods exports)	..	0.2	21.3
ICT goods imports (% of total goods imports)	6.1	6.6	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16	0.24
Secure Internet servers (per million people)	..	54.2	2.7

Mali

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	11	13	846
Urban population (% of total)	28	33	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	680	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.5	5.3	5.4
Adult literacy rate (% ages 15 and older)	19	26	62
Gross primary, secondary, and tertiary enrollment (%)	31	50	56
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	P	P	
Mobile telephone service	P	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	4.3	2.9
Mobile cellular and fixed-line subscribers per employee	37	2,059	301
Telecommunications investment (% of revenue)	28.1	30.2	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.6	1.2
Mobile cellular subscriptions (per 100 people)	0.1	28.8	26.6
Fixed broadband Internet subscribers (per 100 people)	..	0.1	0.1
Personal computers (per 100 people)	0.1	0.8	0.9
Households with a television (%)	14	22	..
Usage			
International voice traffic total (minutes per person per month)	..	1.0	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.9	2.7
Quality			
Population covered by mobile cellular network (%)	15	22	53
Fixed broadband Internet subscribers (% of total subscribers)	..	52.1	5.4
International Internet bandwidth (bits per second per person)	0	51	7
Affordability			
Residential fixed line tariff (\$ a month)	..	9.4	8.8
Mobile cellular prepaid tariff (\$ a month)	..	10.0	8.0
Fixed broadband Internet access tariff (\$ a month)	..	55.4	89.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	0.6
ICT goods imports (% of total goods imports)	3.5	3.6	5.9
ICT service exports (% of total service exports)	8.8	23.2	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.09
Secure Internet servers (per million people)	0.1	0.8	0.6

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.39	0.41	1,117
Urban population (% of total)	92	94	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,110	18,630	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.9	2.0	2.0
Adult literacy rate (% ages 15 and older)	..	92	98
Gross primary, secondary, and tertiary enrollment (%)	76	78	91
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	4.7	3.0
Mobile cellular and fixed-line subscribers per employee	161	350	765
Telecommunications investment (% of revenue)	23.0	15.1	15.5
Performance			
Access			
Telephone lines (per 100 people)	52.4	60.9	45.1
Mobile cellular subscriptions (per 100 people)	29.3	101.7	111.2
Fixed broadband Internet subscribers (per 100 people)	8.8	26.9	24.3
Personal computers (per 100 people)	20.5	..	65.4
Households with a television (%)	98	99	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	104	343
Internet users (per 100 people)	13.1	58.0	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	4.8	89.5	89.2
International Internet bandwidth (bits per second per person)	87	7,549	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	5.6	22.8
Mobile cellular prepaid tariff (\$ a month)	..	10.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	20.1	28.8
Trade			
ICT goods exports (% of total goods exports)	64.2	43.2	12.2
ICT goods imports (% of total goods imports)	44.9	15.2	13.3
ICT service exports (% of total service exports)	2.5	3.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.47	0.46
Secure Internet servers (per million people)	58.5	1,364.6	905.1

Marshall Islands

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.05	0.06	3,811
Urban population (% of total)	68	71	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,420	3,060	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-3.7	2.2	8.5
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	73	62	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	44	46	605
Telecommunications investment (% of revenue)	..	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	7.8	7.2	12.7
Mobile cellular subscriptions (per 100 people)	0.9	1.6	57.8
Fixed broadband Internet subscribers (per 100 people)	0.8	1.3	5.5
Personal computers (per 100 people)	3.9	9.1	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.6	3.6	17.2
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	40.1
International Internet bandwidth (bits per second per person)	10	29	151
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	..	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.24
Secure Internet servers (per million people)	..	96.2	2.7

Mauritania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	3	846
Urban population (% of total)	40	41	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	990	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.3	4.7	5.4
Adult literacy rate (% ages 15 and older)	51	57	62
Gross primary, secondary, and tertiary enrollment (%)	42	50	56
Structure			
Separate telecommunications regulator	Yes	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	6.9	2.9
Mobile cellular and fixed-line subscribers per employee	48	2,842	301
Telecommunications investment (% of revenue)	131.7	23.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.7	2.3	1.2
Mobile cellular subscriptions (per 100 people)	0.6	66.3	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.3	0.1
Personal computers (per 100 people)	1.0	4.5	0.9
Households with a television (%)	20	22	..
Usage			
International voice traffic, total (minutes per person per month)	..	4.8	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	2.3	2.7
Quality			
Population covered by mobile cellular network (%)	..	62	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	60.6	5.4
International Internet bandwidth (bits per second per person)	0	76	7
Affordability			
Residential fixed line tariff (\$ a month)	..	11.9	8.8
Mobile cellular prepaid tariff (\$ a month)	..	9.9	8.0
Fixed broadband Internet access tariff (\$ a month)	..	57.8	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	3.7	1.6	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.09
Secure Internet servers (per million people)	0.4	2.1	0.6

Mauritius

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context	1	1	1,002
Population (millions)	43	43	75
Urban population (% of total)	3,870	7,250	7,502
GNI per capita, <i>World Bank Atlas</i> method (\$)	5.5	3.7	4.4
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	84	88	92
Adult literacy rate (% ages 15 and older)	68	73	82
Gross primary, secondary, and tertiary enrollment (%)			
Structure	Yes	Yes	
Separate telecommunications regulator	..	Mixed	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)	M	C	
International long distance service	P	C	
Mobile telephone service	M	C	
Internet service			
Efficiency and capacity	3.2	3.6	3.3
Telecommunications revenue (% of GDP)	251	492	576
Mobile cellular and fixed-line subscribers per employee	37.6	332.6	18.0
Telecommunications investment (% of revenue)			
Performance			
Access	23.7	29.7	22.1
Telephone lines (per 100 people)	15.2	85.2	100.6
Mobile cellular subscriptions (per 100 people)	2.9	17.6	19.4
Fixed broadband Internet subscribers (per 100 people)	10.1	17.6	11.2
Personal computers (per 100 people)	93	96	93
Households with a television (%)			
Usage			
International voice traffic total (minutes per person per month)	..	17.9	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	7.3	22.7	34.6
Quality			
Population covered by mobile cellular network (%)	100	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	41.3	41.6
International Internet bandwidth (bits per second per person)	5	364	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	5.6	10.0
Mobile cellular prepaid tariff (\$ a month)	..	4.5	8.8
Fixed broadband Internet access tariff (\$ a month)	..	16.6	18.8
Trade			
ICT goods exports (% of total goods exports)	0.8	0.6	12.2
ICT goods imports (% of total goods imports)	6.1	4.2	15.1
ICT service exports (% of total service exports)	1.8	3.7	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.30
Secure Internet servers (per million people)	10.0	86.6	32.2

Mayotte

	Sub-Saharan Africa		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.16	0.20	1,002
Urban population (% of total)	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4
Adult literacy rate (% ages 15 and older)	92
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 cellular and fixed-line subscribers per employee	372	..	576
Telecommunications investment (% of revenue)	0.0	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	6.2	5.2	22.1
Mobile cellular subscriptions (per 100 people)	12.7	28.0	100.6
Fixed broadband Internet subscribers (per 100 people)	19.4
Personal computers (per 100 people)	11.2
Households with a television (%)	93
Usage			
International voice traffic, total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	157
Internet users (per 100 people)	34.6
Quality			
Population covered by mobile cellular network (%)	94
Fixed broadband Internet subscribers (% of total subscribers)	41.6
International Internet bandwidth (bits per second per person)	1,120
Affordability			
Residential fixed line tariff (\$ a month)	10.0
Mobile cellular prepaid tariff (\$ a month)	8.8
Fixed broadband Internet access tariff (\$ a month)	18.8
Trade			
ICT goods exports (% of total goods exports)	12.2
ICT goods imports (% of total goods imports)	15.1
ICT service exports (% of total service exports)	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	0.30
Secure Internet servers (per million people)	32.2

Mexico

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	98	107	1,002
Urban population (% of total)	75	78	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,110	8,960	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.4	2.2	4.4
Adult literacy rate (% ages 15 and older)	91	93	92
Gross primary, secondary, and tertiary enrollment (%)	72	80	82
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	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.7	3.3
Mobile cellular and fixed-line subscribers per employee	375	838	576
Telecommunications investment (% of revenue)	41.5	13.4	18.0
Performance			
Access			
Telephone lines (per 100 people)	12.6	18.1	22.1
Mobile cellular subscriptions (per 100 people)	14.4	77.8	100.6
Fixed broadband Internet subscribers (per 100 people)	1.2	9.6	19.4
Personal computers (per 100 people)	5.8	14.4	11.2
Households with a television (%)	92	93	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	83	177	157
Internet users (per 100 people)	5.2	26.5	34.6
Quality			
Population covered by mobile cellular network (%)	86	100	94
Fixed broadband Internet subscribers (% of total subscribers)	1.3	96.2	41.6
International Internet bandwidth (bits per second per person)	9	312	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	17.3	10.0
Mobile cellular prepaid tariff (\$ a month)	..	8.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	16.2	18.8
Trade			
ICT goods exports (% of total goods exports)	23.0	22.9	12.2
ICT goods imports (% of total goods imports)	20.3	20.9	15.1
ICT service exports (% of total service exports)	8.8	1.3	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.30
Secure Internet servers (per million people)	2.6	21.5	32.2

Micronesia, Fed. Sts.

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	0.11	0.11	3,811
Urban population (% of total)	22	23	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,270	2,500	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-0.3	-0.2	8.5
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	..	84	64
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>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>M</i>	
Internet service	..	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	5.3	3.0
Mobile cellular and fixed-line subscribers per employee	74	238	605
Telecommunications investment (% of revenue)	4.9	13.2	22.4
Performance			
Access			
Telephone lines (per 100 people)	9.0	7.9	12.7
Mobile cellular subscriptions (per 100 people)	0.0	34.3	57.8
Fixed broadband Internet subscribers (per 100 people)	1.4	1.2	5.5
Personal computers (per 100 people)	1.3	5.5	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	3.7	15.4	17.2
Quality			
Population covered by mobile cellular network (%)	0	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	6.7	40.1
International Internet bandwidth (bits per second per person)	10	143	151
Affordability			
Residential fixed line tariff (\$ a month)	..	8.0	4.7
Mobile cellular prepaid tariff (\$ a month)	..	4.9	7.1
Fixed broadband Internet access tariff (\$ a month)	..	40.0	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.13	0.24
Secure Internet servers (per million people)	..	36.0	2.7

Moldova

Europe & Central Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	4	3,811
Urban population (% of total)	45	41	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	370	1,560	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-2.6	5.6	8.5
Adult literacy rate (% ages 15 and older)	97	98	80
Gross primary, secondary, and tertiary enrollment (%)	71	68	64
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</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>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	10.1	3.0
Mobile cellular and fixed-line subscribers per employee	97	294	605
Telecommunications investment (% of revenue)	67.9	35.7	22.4
Performance			
Access			
Telephone lines (per 100 people)	14.2	31.6	12.7
Mobile cellular subscriptions (per 100 people)	3.4	77.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.3	5.6	5.5
Personal computers (per 100 people)	1.5	11.4	4.5
Households with a television (%)	83	69	..
Usage			
International voice traffic total (minutes per person per month)	..	38.1	..
Mobile telephone usage (minutes per user per month)	..	113	342
Internet users (per 100 people)	1.3	35.9	17.2
Quality			
Population covered by mobile cellular network (%)	70	98	77
Fixed broadband Internet subscribers (% of total subscribers)	2.3	91.9	40.1
International Internet bandwidth (bits per second per person)	2	6,660	151
Affordability			
Residential fixed line tariff (\$ a month)	..	2.9	4.7
Mobile cellular prepaid tariff (\$ a month)	..	8.2	7.1
Fixed broadband Internet access tariff (\$ a month)	..	13.4	30.4
Trade			
ICT goods exports (% of total goods exports)	1.6	7.5	21.3
ICT goods imports (% of total goods imports)	5.5	5.1	18.4
ICT service exports (% of total service exports)	10.5	20.2	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.24
Secure Internet servers (per million people)	0.7	13.4	2.7

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.03	0.03	1,117
Urban population (% of total)	100	100	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	91,070	197,590	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.9	4.3	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>C</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	..	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	..	..	45.1
Mobile cellular subscriptions (per 100 people)	..	..	111.2
Fixed broadband Internet subscribers (per 100 people)	..	..	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	..	..	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.2
International Internet bandwidth (bits per second per person)	..	..	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.46
Secure Internet servers (per million people)	248.8	2,735.2	905.1

Mongolia

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	2	3	3,811
Urban population (% of total)	57	57	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	410	1,630	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.0	7.4	8.5
Adult literacy rate (% ages 15 and older)	98	97	80
Gross primary, secondary, and tertiary enrollment (%)	66	81	64
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	6.7	3.0
Mobile cellular and fixed-line subscribers per employee	60	341	605
Telecommunications investment (% of revenue)	4.7	18.8	22.4
Performance			
Access			
Telephone lines (per 100 people)	4.9	7.1	12.7
Mobile cellular subscriptions (per 100 people)	6.5	84.2	57.8
Fixed broadband Internet subscribers (per 100 people)	0.3	1.8	5.5
Personal computers (per 100 people)	1.3	26.2	4.5
Households with a television (%)	..	88	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.3	13.1	17.2
Quality			
Population covered by mobile cellular network (%)	58	82	77
Fixed broadband Internet subscribers (% of total subscribers)	0.5	49.7	40.1
International Internet bandwidth (bits per second per person)	3	2,920	151
Affordability			
Residential fixed line tariff (\$ a month)	..	0.7	4.7
Mobile cellular prepaid tariff (\$ a month)	..	3.6	7.1
Fixed broadband Internet access tariff (\$ a month)	..	8.5	30.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	21.3
ICT goods imports (% of total goods imports)	6.8	5.1	18.4
ICT service exports (% of total service exports)	6.8	3.0	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.56	0.24
Secure Internet servers (per million people)	0.4	10.7	2.7

Montenegro

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	0.66	0.62	1,002
Urban population (% of total)	59	60	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,840	6,650	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-1.6	4.7	4.4
Adult literacy rate (% ages 15 and older)	92
Gross primary, secondary, and tertiary enrollment (%)	82
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	..	<i>Private</i>	
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 cellular and fixed-line subscribers per employee	576
Telecommunications investment (% of revenue)	18.0
Performance			
Access			
Telephone lines (per 100 people)	..	58.7	22.1
Mobile cellular subscriptions (per 100 people)	..	120.5	100.6
Fixed broadband Internet subscribers (per 100 people)	..	14.3	19.4
Personal computers (per 100 people)	11.2
Households with a television (%)	..	97	93
Usage			
International voice traffic, total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	..	111	157
Internet users (per 100 people)	..	44.9	34.6
Quality			
Population covered by mobile cellular network (%)	..	99	94
Fixed broadband Internet subscribers (% of total subscribers)	..	29.1	41.6
International Internet bandwidth (bits per second per person)	..	1,208	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	9.9	10.0
Mobile cellular prepaid tariff (\$ a month)	..	6.3	8.8
Fixed broadband Internet access tariff (\$ a month)	..	29.0	18.8
Trade			
ICT goods exports (% of total goods exports)	12.2
ICT goods imports (% of total goods imports)	15.1
ICT service exports (% of total service exports)	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.30
Secure Internet servers (per million people)	..	25.6	32.2

Morocco

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	29	32	3,811
Urban population (% of total)	53	56	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,310	2,770	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.4	5.0	8.5
Adult literacy rate (% ages 15 and older)	..	56	80
Gross primary, secondary, and tertiary enrollment (%)	51	61	64
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>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	5.1	3.0
Mobile cellular and fixed-line subscribers per employee	260	821	605
Telecommunications investment (% of revenue)	50.7	20.3	22.4
Performance			
Access			
Telephone lines (per 100 people)	4.9	11.0	12.7
Mobile cellular subscriptions (per 100 people)	8.1	79.1	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	1.5	5.5
Personal computers (per 100 people)	1.2	5.7	4.5
Households with a television (%)	72	77	..
Usage			
International voice traffic total (minutes per person per month)	..	7.2	..
Mobile telephone usage (minutes per user per month)	..	68	342
Internet users (per 100 people)	0.7	32.2	17.2
Quality			
Population covered by mobile cellular network (%)	95	98	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	99.2	40.1
International Internet bandwidth (bits per second per person)	4	1,600	151
Affordability			
Residential fixed line tariff (\$ a month)	..	23.5	4.7
Mobile cellular prepaid tariff (\$ a month)	..	22.2	7.1
Fixed broadband Internet access tariff (\$ a month)	..	16.8	30.4
Trade			
ICT goods exports (% of total goods exports)	7.4	4.6	21.3
ICT goods imports (% of total goods imports)	6.9	6.0	18.4
ICT service exports (% of total service exports)	3.7	7.5	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24	0.24
Secure Internet servers (per million people)	0.2	2.9	2.7

Mozambique

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	18	23	846
Urban population (% of total)	31	38	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	230	440	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	8.1	7.9	5.4
Adult literacy rate (% ages 15 and older)	..	55	62
Gross primary, secondary, and tertiary enrollment (%)	37	52	56
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	2.9
Mobile cellular and fixed-line subscribers per employee	60	605	301
Telecommunications investment (% of revenue)	49.6	24.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.4	1.2
Mobile cellular subscriptions (per 100 people)	0.3	26.1	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.3	1.4	0.9
Households with a television (%)	5	9	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	2.7	2.7
Quality			
Population covered by mobile cellular network (%)	..	44	53
Fixed broadband Internet subscribers (% of total subscribers)	..	92.5	5.4
International Internet bandwidth (bits per second per person)	0	56	7
Affordability			
Residential fixed line tariff (\$ a month)	..	13.1	8.8
Mobile cellular prepaid tariff (\$ a month)	..	8.0	8.0
Fixed broadband Internet access tariff (\$ a month)	..	80.2	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.4	0.6
ICT goods imports (% of total goods imports)	2.7	3.9	5.9
ICT service exports (% of total service exports)	4.1	5.8	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.09
Secure Internet servers (per million people)	..	0.9	0.6

Myanmar

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	47	50	846
Urban population (% of total)	28	33	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	8.1	13.0	5.4
Adult literacy rate (% ages 15 and older)	90	92	62
Gross primary, secondary, and tertiary enrollment (%)	49	56	56
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>	<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)	0.2	0.5	2.9
Mobile cellular and fixed-line subscribers per employee	37	90	301
Telecommunications investment (% of revenue)	25.3	2.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.6	1.2
Mobile cellular subscriptions (per 100 people)	0.0	0.9	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	0.1
Personal computers (per 100 people)	0.2	0.9	0.9
Households with a television (%)	..	26	..
Usage			
International voice traffic total (minutes per person per month)	..	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.2	2.7
Quality			
Population covered by mobile cellular network (%)	..	10	53
Fixed broadband Internet subscribers (% of total subscribers)	..	47.7	5.4
International Internet bandwidth (bits per second per person)	0	20	7
Affordability			
Residential fixed line tariff (\$ a month)	..	0.9	8.8
Mobile cellular prepaid tariff (\$ a month)	..	12.8	8.0
Fixed broadband Internet access tariff (\$ a month)	..	28.5	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	3.6	..	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.08	0.09
Secure Internet servers (per million people)	..	0.1	0.6

Namibia

	Sub-Saharan Africa		Upper middle income	
	Country data		Upper middle-income group	
	2000	2009	2009	
Economic and social context				
Population (millions)	2	2	1,002	
Urban population (% of total)	32	37	75	
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,030	4,270	7,502	
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	5.3	4.4	
Adult literacy rate (% ages 15 and older)	85	89	92	
Gross primary, secondary, and tertiary enrollment (%)	73	71	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>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)	3.1	4.1	3.3	
Mobile cellular and fixed-line subscribers per employee	115	435	576	
Telecommunications investment (% of revenue)	29.6	7.5	18.0	
Performance				
Access				
Telephone lines (per 100 people)	6.0	6.5	22.1	
Mobile cellular subscriptions (per 100 people)	4.5	56.1	100.6	
Fixed broadband Internet subscribers (per 100 people)	0.5	4.3	19.4	
Personal computers (per 100 people)	4.1	23.9	11.2	
Households with a television (%)	29	37	93	
Usage				
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157	
Internet users (per 100 people)	1.6	5.9	34.6	
Quality				
Population covered by mobile cellular network (%)	85	95	94	
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.3	41.6	
International Internet bandwidth (bits per second per person)	2	27	1,120	
Affordability				
Residential fixed line tariff (\$ a month)	..	13.0	10.0	
Mobile cellular prepaid tariff (\$ a month)	..	12.8	8.8	
Fixed broadband Internet access tariff (\$ a month)	..	47.2	18.8	
Trade				
ICT goods exports (% of total goods exports)	1.0	0.6	12.2	
ICT goods imports (% of total goods imports)	8.3	4.9	15.1	
ICT service exports (% of total service exports)	3.5	2.4	5.4	
Applications				
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.30	
Secure Internet servers (per million people)	1.6	14.5	32.2	

Nepal

South Asia

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	24	29	846
Urban population (% of total)	13	18	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	220	440	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.6	3.7	5.4
Adult literacy rate (% ages 15 and older)	49	59	62
Gross primary, secondary, and tertiary enrollment (%)	56	61	56
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Private	
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)	1.3	1.0	2.9
Mobile cellular 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	2.8	1.2
Mobile cellular subscriptions (per 100 people)	0.0	26.0	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.4	0.1
Personal computers (per 100 people)	0.3	0.5	0.9
Households with a television (%)	11	33	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	103	..
Internet users (per 100 people)	0.2	2.1	2.7
Quality			
Population covered by mobile cellular network (%)	..	60	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	72.6	5.4
International Internet bandwidth (bits per second per person)	0	5	7
Affordability			
Residential fixed line tariff (\$ a month)	..	3.0	8.8
Mobile cellular prepaid tariff (\$ a month)	..	1.2	8.0
Fixed broadband Internet access tariff (\$ a month)	..	21.5	89.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	0.6
ICT goods imports (% of total goods imports)	3.2	5.6	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.09
Secure Internet servers (per million people)	..	1.5	0.6

Netherlands

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	16	17	1,117
Urban population (% of total)	77	82	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	26,580	48,460	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.1	1.7	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	98	98	91
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)	3.7	0.7	3.0
Mobile cellular and fixed-line subscribers per employee	353	..	765
Telecommunications investment (% of revenue)	21.6	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	62.1	44.3	45.1
Mobile cellular subscriptions (per 100 people)	67.5	128.1	111.2
Fixed broadband Internet subscribers (per 100 people)	37.1	34.3	24.3
Personal computers (per 100 people)	39.6	91.2	65.4
Households with a television (%)	..	98	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	113	131	343
Internet users (per 100 people)	44.0	90.0	72.3
Quality			
Population covered by mobile cellular network (%)	100	98	99
Fixed broadband Internet subscribers (% of total subscribers)	4.4	98.0	89.2
International Internet bandwidth (bits per second per person)	4,275	78,156	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	27.8	22.8
Mobile cellular prepaid tariff (\$ a month)	..	29.7	14.8
Fixed broadband Internet access tariff (\$ a month)	..	36.2	28.8
Trade			
ICT goods exports (% of total goods exports)	19.3	12.6	12.2
ICT goods imports (% of total goods imports)	21.2	13.5	13.3
ICT service exports (% of total service exports)	5.3	11.3	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.68	0.46
Secure Internet servers (per million people)	49.7	2,275.7	905.1

Netherlands Antilles

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.18	0.20	1,117
Urban population (% of total)	90	93	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	2.0
Adult literacy rate (% ages 15 and older)	..	96	98
Gross primary, secondary, and tertiary enrollment (%)	90	88	91
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)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	..	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	44.3	44.9	45.1
Mobile cellular subscriptions (per 100 people)	16.5	108.6	111.2
Fixed broadband Internet subscribers (per 100 people)	..	..	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	1.1	..	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.2
International Internet bandwidth (bits per second per person)	..	..	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	3.3	12.2
ICT goods imports (% of total goods imports)	..	8.7	13.3
ICT service exports (% of total service exports)	1.2	1.6	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	166.3	1,111.0	905.1

New Caledonia

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.21	0.25	1,117
Urban population (% of total)	62	65	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,020	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.2	..	2.0
Adult literacy rate (% ages 15 and older)	..	96	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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	..	3.0
Mobile cellular and fixed-line subscribers per employee	345	637	765
Telecommunications investment (% of revenue)	43.5	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	23.9	26.3	45.1
Mobile cellular subscriptions (per 100 people)	23.4	83.1	111.2
Fixed broadband Internet subscribers (per 100 people)	4.2	10.8	24.3
Personal computers (per 100 people)	6.4	17.1	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	14.1	34.0	72.3
Quality			
Population covered by mobile cellular network (%)	85	90	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	95.7	89.2
International Internet bandwidth (bits per second per person)	9	4,053	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	0.5	0.3	12.2
ICT goods imports (% of total goods imports)	6.2	3.7	13.3
ICT service exports (% of total service exports)	1.6	0.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	32.2	98.4	905.1

New Zealand

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	4	1,117
Urban population (% of total)	86	87	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	13,620	28,810	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.5	2.5	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	97	108	91
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Private</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)	3.4	2.9	3.0
Mobile cellular and fixed-line subscribers per employee	630	605	765
Telecommunications investment (% of revenue)	16.2	22.2	15.5
Performance			
Access			
Telephone lines (per 100 people)	47.5	43.3	45.1
Mobile cellular subscriptions (per 100 people)	40.0	108.9	111.2
Fixed broadband Internet subscribers (per 100 people)	13.0	32.8	24.3
Personal computers (per 100 people)	35.8	52.6	65.4
Households with a television (%)	98	99	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	87	83	343
Internet users (per 100 people)	47.5	83.4	72.3
Quality			
Population covered by mobile cellular network (%)	97	97	99
Fixed broadband Internet subscribers (% of total subscribers)	0.9	69.3	89.2
International Internet bandwidth (bits per second per person)	65	4,544	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	33.1	22.8
Mobile cellular prepaid tariff (\$ a month)	..	27.9	14.8
Fixed broadband Internet access tariff (\$ a month)	..	28.5	28.8
Trade			
ICT goods exports (% of total goods exports)	2.2	1.8	12.2
ICT goods imports (% of total goods imports)	12.6	9.4	13.3
ICT service exports (% of total service exports)	6.2	4.8	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.64	0.46
Secure Internet servers (per million people)	156.9	1,488.5	905.1

Nicaragua

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	6	3,811
Urban population (% of total)	55	57	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	1,000	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.0	3.3	8.5
Adult literacy rate (% ages 15 and older)	77	78	80
Gross primary, secondary, and tertiary enrollment (%)	68	73	64
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.7	3.0
Mobile cellular and fixed-line subscribers per employee	114	334	605
Telecommunications investment (% of revenue)	5.9	24.0	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.2	4.4	12.7
Mobile cellular subscriptions (per 100 people)	1.8	55.8	57.8
Fixed broadband Internet subscribers (per 100 people)	0.3	0.4	5.5
Personal computers (per 100 people)	2.4	4.0	4.5
Households with a television (%)	59	67	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.0	3.5	17.2
Quality			
Population covered by mobile cellular network (%)	..	70	77
Fixed broadband Internet subscribers (% of total subscribers)	4.5	80.6	40.1
International Internet bandwidth (bits per second per person)	1	144	151
Affordability			
Residential fixed line tariff (\$ a month)	..	4.7	4.7
Mobile cellular prepaid tariff (\$ a month)	..	14.0	7.1
Fixed broadband Internet access tariff (\$ a month)	..	34.4	30.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.4	21.3
ICT goods imports (% of total goods imports)	4.1	4.4	18.4
ICT service exports (% of total service exports)	11.3	7.2	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.25	0.24
Secure Internet servers (per million people)	1.2	7.7	2.7

Niger

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	11	15	846
Urban population (% of total)	16	17	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	340	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.4	4.3	5.4
Adult literacy rate (% ages 15 and older)	9	29	62
Gross primary, secondary, and tertiary enrollment (%)	16	29	56
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	2.9
Mobile cellular and fixed-line subscribers per employee	16	328	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.4	1.2
Mobile cellular subscriptions (per 100 people)	0.0	17.0	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	0.1
Personal computers (per 100 people)	0.0	0.1	0.9
Households with a television (%)	6	10	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.8	2.7
Quality			
Population covered by mobile cellular network (%)	13	45	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	5.9	5.4
International Internet bandwidth (bits per second per person)	0	11	7
Affordability			
Residential fixed line tariff (\$ a month)	..	12.9	8.8
Mobile cellular prepaid tariff (\$ a month)	..	15.3	8.0
Fixed broadband Internet access tariff (\$ a month)	..	265.9	89.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.7	0.6
ICT goods imports (% of total goods imports)	2.1	3.6	5.9
ICT service exports (% of total service exports)	0.5	11.6	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.09
Secure Internet servers (per million people)	..	0.2	0.6

Nigeria

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	125	155	3,811
Urban population (% of total)	43	49	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	1,190	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.7	6.6	8.5
Adult literacy rate (% ages 15 and older)	..	61	80
Gross primary, secondary, and tertiary enrollment (%)	49	51	64
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)	0.8	3.4	3.0
Mobile cellular and fixed-line subscribers per employee	50	256	605
Telecommunications investment (% of revenue)	37.2	7.8	22.4
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.9	12.7
Mobile cellular subscriptions (per 100 people)	0.0	47.2	57.8
Fixed broadband Internet subscribers (per 100 people)	0.0	0.6	5.5
Personal computers (per 100 people)	0.6	0.9	4.5
Households with a television (%)	..	39	..
Usage			
International voice traffic, total (minutes per person per month)	..	2.2	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.1	28.4	17.2
Quality			
Population covered by mobile cellular network (%)	38	83	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	9.1	40.1
International Internet bandwidth (bits per second per person)	0	5	151
Affordability			
Residential fixed line tariff (\$ a month)	..	5.7	4.7
Mobile cellular prepaid tariff (\$ a month)	..	10.4	7.1
Fixed broadband Internet access tariff (\$ a month)	..	105.0	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	21.3
ICT goods imports (% of total goods imports)	3.4	7.2	18.4
ICT service exports (% of total service exports)	..	1.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.10	0.24
Secure Internet servers (per million people)	0.0	1.2	2.7

Northern Mariana Islands

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.07	0.09	1,117
Urban population (% of total)	90	91	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	..	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	30.4	28.9	45.1
Mobile cellular subscriptions (per 100 people)	4.3	26.2	111.2
Fixed broadband Internet subscribers (per 100 people)	3.4	..	24.3
Personal computers (per 100 people)	..	..	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	..	..	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.2
International Internet bandwidth (bits per second per person)	..	..	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	28.1	56.6	905.1

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	5	1,117
Urban population (% of total)	76	78	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	35,870	84,640	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.6	2.1	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	98	98	91
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	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)	1.4	1.2	3.0
Mobile cellular and fixed-line subscribers per employee	251	445	765
Telecommunications investment (% of revenue)	89.3	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	53.5	39.4	45.1
Mobile cellular subscriptions (per 100 people)	71.8	110.5	111.2
Fixed broadband Internet subscribers (per 100 people)	26.2	35.9	24.3
Personal computers (per 100 people)	49.0	62.9	65.4
Households with a television (%)	..	95	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	163	232	343
Internet users (per 100 people)	26.7	91.8	72.3
Quality			
Population covered by mobile cellular network (%)	96	..	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	92.7	89.2
International Internet bandwidth (bits per second per person)	875	26,904	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	29.4	22.8
Mobile cellular prepaid tariff (\$ a month)	..	8.7	14.8
Fixed broadband Internet access tariff (\$ a month)	..	51.0	28.8
Trade			
ICT goods exports (% of total goods exports)	2.4	2.4	12.2
ICT goods imports (% of total goods imports)	10.6	8.8	13.3
ICT service exports (% of total service exports)	5.4	8.6	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.74	0.46
Secure Internet servers (per million people)	81.8	1,653.3	905.1

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	2	3	1,117
Urban population (% of total)	72	72	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,720	17,890	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.2	4.5	2.0
Adult literacy rate (% ages 15 and older)	..	87	98
Gross primary, secondary, and tertiary enrollment (%)	68	66	91
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	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.5	3.0
Mobile cellular and fixed-line subscribers per employee	186	967	765
Telecommunications investment (% of revenue)	19.0	65.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	9.2	10.5	45.1
Mobile cellular subscriptions (per 100 people)	6.7	139.5	111.2
Fixed broadband Internet subscribers (per 100 people)	1.0	2.7	24.3
Personal computers (per 100 people)	3.3	16.9	65.4
Households with a television (%)	..	88	98
Usage			
International voice traffic total (minutes per person per month)	..	35.9	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	3.5	43.5	72.3
Quality			
Population covered by mobile cellular network (%)	91	96	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	52.6	89.2
International Internet bandwidth (bits per second per person)	16	1,365	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	12.8	22.8
Mobile cellular prepaid tariff (\$ a month)	..	6.2	14.8
Fixed broadband Internet access tariff (\$ a month)	..	31.3	28.8
Trade			
ICT goods exports (% of total goods exports)	0.6	1.5	12.2
ICT goods imports (% of total goods imports)	3.7	3.2	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.46
Secure Internet servers (per million people)	0.8	26.5	905.1

Pakistan

South Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	138	170	3,811
Urban population (% of total)	33	37	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	490	1,000	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.0	5.2	8.5
Adult literacy rate (% ages 15 and older)	43	56	80
Gross primary, secondary, and tertiary enrollment (%)	..	42	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	50	50	605
Telecommunications investment (% of revenue)	19.5	1.7	22.4
Performance			
Access			
Telephone lines (per 100 people)	2.2	2.4	12.7
Mobile cellular subscriptions (per 100 people)	0.2	60.7	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	2.2	5.5
Personal computers (per 100 people)	0.4	..	4.5
Households with a television (%)	40	58	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	181	342
Internet users (per 100 people)	1.4	12.0	17.2
Quality			
Population covered by mobile cellular network (%)	27	90	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	4.5	40.1
International Internet bandwidth (bits per second per person)	0	43	151
Affordability			
Residential fixed line tariff (\$ a month)	..	2.9	4.7
Mobile cellular prepaid tariff (\$ a month)	..	1.0	7.1
Fixed broadband Internet access tariff (\$ a month)	..	14.6	30.4
Trade			
ICT goods exports (% of total goods exports)	..	0.3	21.3
ICT goods imports (% of total goods imports)	..	3.7	18.4
ICT service exports (% of total service exports)	15.4	12.0	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.25	0.24
Secure Internet servers (per million people)	0.0	1.0	2.7

Palau

	East Asia & Pacific		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.02	0.02	1,002
Urban population (% of total)	70	82	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,260	6,220	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.2	1.2	4.4
Adult literacy rate (% ages 15 and older)	..	..	92
Gross primary, secondary, and tertiary enrollment (%)	..	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 cellular and fixed-line subscribers per employee	..	204	576
Telecommunications investment (% of revenue)	..	11.3	18.0
Performance			
Access			
Telephone lines (per 100 people)	34.7	34.6	22.1
Mobile cellular subscriptions (per 100 people)	12.3	64.5	100.6
Fixed broadband Internet subscribers (per 100 people)	5.2	5.1	19.4
Personal computers (per 100 people)	..	..	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic total (minutes per person per month)	..	39.6	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	20.0	27.3	34.6
Quality			
Population covered by mobile cellular network (%)	..	95	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	16.1	41.6
International Internet bandwidth (bits per second per person)	150	1,128	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	..	10.0
Mobile cellular prepaid tariff (\$ a month)	..	..	8.8
Fixed broadband Internet access tariff (\$ a month)	..	..	18.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	15.1
ICT service exports (% of total service exports)	..	..	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.05	0.30
Secure Internet servers (per million people)	51.0	48.7	32.2

Panama

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	3	3	1,002
Urban population (% of total)	66	74	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,740	6,570	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.0	6.9	4.4
Adult literacy rate (% ages 15 and older)	92	94	92
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	3.2	3.3
Mobile cellular and fixed-line subscribers per employee	153	380	576
Telecommunications investment (% of revenue)	..	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	14.5	15.6	22.1
Mobile cellular subscriptions (per 100 people)	13.9	164.4	100.6
Fixed broadband Internet subscribers (per 100 people)	1.5	6.2	19.4
Personal computers (per 100 people)	3.6	6.3	11.2
Households with a television (%)	..	83	93
Usage			
International voice traffic, total (minutes per person per month)	..	9.9	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	6.6	27.8	34.6
Quality			
Population covered by mobile cellular network (%)	74	83	94
Fixed broadband Internet subscribers (% of total subscribers)	16.0	94.3	41.6
International Internet bandwidth (bits per second per person)	112	15,964	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	12.0	10.0
Mobile cellular prepaid tariff (\$ a month)	..	5.0	8.8
Fixed broadband Internet access tariff (\$ a month)	..	16.6	18.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	12.2
ICT goods imports (% of total goods imports)	8.2	7.3	15.1
ICT service exports (% of total service exports)	1.7	4.8	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.30
Secure Internet servers (per million people)	9.6	127.1	32.2

Papua New Guinea

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	7	3,811
Urban population (% of total)	13	13	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	1,180	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-0.8	3.4	8.5
Adult literacy rate (% ages 15 and older)	57	60	80
Gross primary, secondary, and tertiary enrollment (%)	..	..	64
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	..	3.0
Mobile cellular and fixed-line subscribers per employee	41	..	605
Telecommunications investment (% of revenue)	82.6	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	1.2	0.9	12.7
Mobile cellular subscriptions (per 100 people)	0.2	13.4	57.8
Fixed broadband Internet subscribers (per 100 people)	0.5	..	5.5
Personal computers (per 100 people)	5.2	6.4	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.8	1.9	17.2
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	..	..	40.1
International Internet bandwidth (bits per second per person)	1	2	151
Affordability			
Residential fixed line tariff (\$ a month)	..	4.0	4.7
Mobile cellular prepaid tariff (\$ a month)	..	17.8	7.1
Fixed broadband Internet access tariff (\$ a month)	..	141.8	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	21.3
ICT goods imports (% of total goods imports)	3.6	4.1	18.4
ICT service exports (% of total service exports)	..	1.2	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.24
Secure Internet servers (per million people)	..	3.2	2.7

Paraguay

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	6	3,811
Urban population (% of total)	55	61	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,350	2,250	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.1	3.4	8.5
Adult literacy rate (% ages 15 and older)	..	95	80
Gross primary, secondary, and tertiary enrollment (%)	72	72	64
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)	4.6	4.8	3.0
Mobile cellular and fixed-line subscribers per employee	123	799	605
Telecommunications investment (% of revenue)	26.3	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	5.3	6.1	12.7
Mobile cellular subscriptions (per 100 people)	15.3	88.5	57.8
Fixed broadband Internet subscribers (per 100 people)	0.5	2.5	5.5
Personal computers (per 100 people)	1.3	7.8	4.5
Households with a television (%)	76	85	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	62	244	342
Internet users (per 100 people)	0.7	15.8	17.2
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.5	89.8	40.1
International Internet bandwidth (bits per second per person)	2	662	151
Affordability			
Residential fixed line tariff (\$ a month)	..	6.6	4.7
Mobile cellular prepaid tariff (\$ a month)	..	5.3	7.1
Fixed broadband Internet access tariff (\$ a month)	..	21.6	30.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	21.3
ICT goods imports (% of total goods imports)	10.8	21.6	18.4
ICT service exports (% of total service exports)	1.8	1.4	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26	0.24
Secure Internet servers (per million people)	0.7	6.7	2.7

Peru

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	26	29	1,002
Urban population (% of total)	71	72	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,050	4,200	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.4	6.0	4.4
Adult literacy rate (% ages 15 and older)	..	90	92
Gross primary, secondary, and tertiary enrollment (%)	87	87	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	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	3.1	3.3
Mobile cellular and fixed-line subscribers per employee	473	624	576
Telecommunications investment (% of revenue)	22.2	22.0	18.0
Performance			
Access			
Telephone lines (per 100 people)	6.6	10.2	22.1
Mobile cellular subscriptions (per 100 people)	4.9	84.7	100.6
Fixed broadband Internet subscribers (per 100 people)	0.5	3.7	19.4
Personal computers (per 100 people)	4.0	10.1	11.2
Households with a television (%)	72	73	93
Usage			
International voice traffic total (minutes per person per month)	..	9.5	..
Mobile telephone usage (minutes per user per month)	..	97	157
Internet users (per 100 people)	3.1	27.7	34.6
Quality			
Population covered by mobile cellular network (%)	..	95	94
Fixed broadband Internet subscribers (% of total subscribers)	0.8	47.1	41.6
International Internet bandwidth (bits per second per person)	4	2,646	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	14.3	10.0
Mobile cellular prepaid tariff (\$ a month)	..	8.9	8.8
Fixed broadband Internet access tariff (\$ a month)	..	36.5	18.8
Trade			
ICT goods exports (% of total goods exports)	0.4	0.1	12.2
ICT goods imports (% of total goods imports)	10.1	8.3	15.1
ICT service exports (% of total service exports)	5.8	3.5	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.30
Secure Internet servers (per million people)	1.3	14.0	32.2

Philippines

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	78	92	3,811
Urban population (% of total)	59	66	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	970	1,790	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	4.9	8.5
Adult literacy rate (% ages 15 and older)	93	95	80
Gross primary, secondary, and tertiary enrollment (%)	78	78	64
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)	2.9	4.4	3.0
Mobile cellular and fixed-line subscribers per employee	482	1,555	605
Telecommunications investment (% of revenue)	47.4	24.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.9	4.5	12.7
Mobile cellular subscriptions (per 100 people)	8.3	81.0	57.8
Fixed broadband Internet subscribers (per 100 people)	0.5	3.3	5.5
Personal computers (per 100 people)	1.9	7.2	4.5
Households with a television (%)	53	71	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	39	342
Internet users (per 100 people)	2.0	6.5	17.2
Quality			
Population covered by mobile cellular network (%)	70	99	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	34.9	40.1
International Internet bandwidth (bits per second per person)	2	113	151
Affordability			
Residential fixed line tariff (\$ a month)	..	15.9	4.7
Mobile cellular prepaid tariff (\$ a month)	..	6.2	7.1
Fixed broadband Internet access tariff (\$ a month)	..	21.5	30.4
Trade			
ICT goods exports (% of total goods exports)	69.4	54.2	21.3
ICT goods imports (% of total goods imports)	42.7	34.5	18.4
ICT service exports (% of total service exports)	7.6	16.2	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.24
Secure Internet servers (per million people)	0.9	6.6	2.7

Poland

High income

	Country data		High income group
	2000	2009	2009
Economic and social context			
Population (millions)	38	38	1,117
Urban population (% of total)	62	61	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,590	12,260	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.4	4.4	2.0
Adult literacy rate (% ages 15 and older)	..	100	98
Gross primary, secondary, and tertiary enrollment (%)	86	88	91
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)	4.1	3.9	3.0
Mobile cellular and fixed-line subscribers per employee	256	396	765
Telecommunications investment (% of revenue)	19.4	14.4	15.5
Performance			
Access			
Telephone lines (per 100 people)	28.5	25.0	45.1
Mobile cellular subscriptions (per 100 people)	17.5	116.8	111.2
Fixed broadband Internet subscribers (per 100 people)	2.4	14.6	24.3
Personal computers (per 100 people)	6.9	16.9	65.4
Households with a television (%)	..	98	98
Usage			
International voice traffic total (minutes per person per month)	..	2.6	..
Mobile telephone usage (minutes per user per month)	161	128	343
Internet users (per 100 people)	7.3	58.8	72.3
Quality			
Population covered by mobile cellular network (%)	95	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	92.6	89.2
International Internet bandwidth (bits per second per person)	20	2,748	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	17.4	22.8
Mobile cellular prepaid tariff (\$ a month)	..	9.6	14.8
Fixed broadband Internet access tariff (\$ a month)	..	13.7	28.8
Trade			
ICT goods exports (% of total goods exports)	4.5	7.5	12.2
ICT goods imports (% of total goods imports)	10.5	8.9	13.3
ICT service exports (% of total service exports)	2.8	5.3	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.46
Secure Internet servers (per million people)	8.5	210.8	905.1

Portugal

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	10	11	1,117
Urban population (% of total)	54	60	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	12,070	21,910	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.3	0.8	2.0
Adult literacy rate (% ages 15 and older)	..	95	98
Gross primary, secondary, and tertiary enrollment (%)	91	91	91
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)	4.3	4.5	3.0
Mobile cellular and fixed-line subscribers per employee	594	1,534	765
Telecommunications investment (% of revenue)	22.7	16.3	15.5
Performance			
Access			
Telephone lines (per 100 people)	42.3	38.1	45.1
Mobile cellular subscriptions (per 100 people)	65.2	142.8	111.2
Fixed broadband Internet subscribers (per 100 people)	6.3	17.9	24.3
Personal computers (per 100 people)	10.3	18.2	65.4
Households with a television (%)	..	99	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	133	125	343
Internet users (per 100 people)	16.4	48.6	72.3
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.3	89.2
International Internet bandwidth (bits per second per person)	49	4,790	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	27.5	22.8
Mobile cellular prepaid tariff (\$ a month)	..	9.2	14.8
Fixed broadband Internet access tariff (\$ a month)	..	29.0	28.8
Trade			
ICT goods exports (% of total goods exports)	7.8	4.6	12.2
ICT goods imports (% of total goods imports)	9.0	6.6	13.3
ICT service exports (% of total service exports)	2.6	4.5	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.46
Secure Internet servers (per million people)	13.4	173.6	905.1

Puerto Rico

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	4	1,117
Urban population (% of total)	95	99	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,560	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	..	2.0
Adult literacy rate (% ages 15 and older)	..	90	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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	..	3.0
Mobile cellular and fixed-line subscribers per employee	455	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	34.1	21.9	45.1
Mobile cellular subscriptions (per 100 people)	34.6	68.5	111.2
Fixed broadband Internet subscribers (per 100 people)	6.6	13.0	24.3
Personal computers (per 100 people)	0.7	0.8	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	1,739	343
Internet users (per 100 people)	10.5	25.2	72.3
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband Internet subscribers (% of total subscribers)	8.9	83.0	89.2
International Internet bandwidth (bits per second per person)	20	1,764	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	16.4	83.7	905.1

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.62	1	1,117
Urban population (% of total)	95	96	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	14.2	2.0
Adult literacy rate (% ages 15 and older)	..	95	98
Gross primary, secondary, and tertiary enrollment (%)	77	61	91
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)	1.9	1.7	3.0
Mobile cellular and fixed-line subscribers per employee	169	597	765
Telecommunications investment (% of revenue)	10.8	22.5	15.5
Performance			
Access			
Telephone lines (per 100 people)	26.0	20.2	45.1
Mobile cellular subscriptions (per 100 people)	19.6	175.4	111.2
Fixed broadband Internet subscribers (per 100 people)	1.7	9.9	24.3
Personal computers (per 100 people)	14.6	15.7	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	4.9	28.3	72.3
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	93.4	89.2
International Internet bandwidth (bits per second per person)	69	2,044	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	9.1	22.8
Mobile cellular prepaid tariff (\$ a month)	..	8.6	14.8
Fixed broadband Internet access tariff (\$ a month)	..	54.9	28.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	12.2
ICT goods imports (% of total goods imports)	5.1	8.2	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.46
Secure Internet servers (per million people)	4.6	99.4	905.1

Romania

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	22	21	1,002
Urban population (% of total)	54	54	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,690	8,330	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-2.1	5.6	4.4
Adult literacy rate (% ages 15 and older)	97	98	92
Gross primary, secondary, and tertiary enrollment (%)	68	82	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	3.4	3.3
Mobile cellular and fixed-line subscribers per employee	151	564	576
Telecommunications investment (% of revenue)	67.8	21.5	18.0
Performance			
Access			
Telephone lines (per 100 people)	17.4	24.7	22.1
Mobile cellular subscriptions (per 100 people)	11.1	118.1	100.6
Fixed broadband Internet subscribers (per 100 people)	1.7	13.1	19.4
Personal computers (per 100 people)	3.2	19.2	11.2
Households with a television (%)	..	97	93
Usage			
International voice traffic total (minutes per person per month)	..	10.3	..
Mobile telephone usage (minutes per user per month)	..	146	157
Internet users (per 100 people)	3.6	36.2	34.6
Quality			
Population covered by mobile cellular network (%)	97	98	94
Fixed broadband Internet subscribers (% of total subscribers)	4.3	100.0	41.6
International Internet bandwidth (bits per second per person)	4	18,271	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	19.3	10.0
Mobile cellular prepaid tariff (\$ a month)	..	10.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	7.2	18.8
Trade			
ICT goods exports (% of total goods exports)	5.3	8.4	12.2
ICT goods imports (% of total goods imports)	12.0	9.3	15.1
ICT service exports (% of total service exports)	10.8	18.9	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.42	0.30
Secure Internet servers (per million people)	2.4	39.8	32.2

Russian Federation

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	146	142	1,002
Urban population (% of total)	73	73	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,710	9,340	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.2	6.0	4.4
Adult literacy rate (% ages 15 and older)	99	100	92
Gross primary, secondary, and tertiary enrollment (%)	..	83	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 cellular and fixed-line subscribers per employee	83	439	576
Telecommunications investment (% of revenue)	11.5	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	21.9	31.6	22.1
Mobile cellular subscriptions (per 100 people)	2.2	162.5	100.6
Fixed broadband Internet subscribers (per 100 people)	0.3	62.1	19.4
Personal computers (per 100 people)	6.4	13.3	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	137	227	157
Internet users (per 100 people)	2.0	42.1	34.6
Quality			
Population covered by mobile cellular network (%)	..	95	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	14.6	41.6
International Internet bandwidth (bits per second per person)	21	573	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	5.4	10.0
Mobile cellular prepaid tariff (\$ a month)	..	5.8	8.8
Fixed broadband Internet access tariff (\$ a month)	..	13.3	18.8
Trade			
ICT goods exports (% of total goods exports)	0.8	0.6	12.2
ICT goods imports (% of total goods imports)	5.6	8.4	15.1
ICT service exports (% of total service exports)	4.6	6.3	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33	0.30
Secure Internet servers (per million people)	2.0	20.3	32.2

Rwanda

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	10	846
Urban population (% of total)	14	19	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	490	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	10.1	7.6	5.4
Adult literacy rate (% ages 15 and older)	65	71	62
Gross primary, secondary, and tertiary enrollment (%)	48	65	56
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>M</i>	<i>P</i>	
Internet service	<i>..</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.0	3.0	2.9
Mobile cellular and fixed-line subscribers per employee	189	1,952	301
Telecommunications investment (% of revenue)	93.1	15.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.3	1.2
Mobile cellular subscriptions (per 100 people)	0.5	24.3	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	1.5	0.1
Personal computers (per 100 people)	0.1	0.3	0.9
Households with a television (%)	2	3	..
Usage			
International voice traffic total (minutes per person per month)	..	0.7	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	4.5	2.7
Quality			
Population covered by mobile cellular network (%)	50	92	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	5.7	5.4
International Internet bandwidth (bits per second per person)	0	35	7
Affordability			
Residential fixed line tariff (\$ a month)	..	8.1	8.8
Mobile cellular prepaid tariff (\$ a month)	..	6.6	8.0
Fixed broadband Internet access tariff (\$ a month)	..	88.0	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	1.4	0.6
ICT goods imports (% of total goods imports)	9.3	12.3	5.9
ICT service exports (% of total service exports)	0.0	0.1	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.09
Secure Internet servers (per million people)	0.1	0.7	0.6

East Asia & Pacific	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.18	0.18	3,811
Urban population (% of total)	22	23	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,420	2,840	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.3	3.5	8.5
Adult literacy rate (% ages 15 and older)	..	99	80
Gross primary, secondary, and tertiary enrollment (%)	72	74	64
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	..	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	M	
Mobile telephone service	..	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	4.7	3.0
Mobile cellular and fixed-line subscribers per employee	55	95	605
Telecommunications investment (% of revenue)	13.3	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	4.8	17.8	12.7
Mobile cellular subscriptions (per 100 people)	1.4	84.4	57.8
Fixed broadband Internet subscribers (per 100 people)	0.2	..	5.5
Personal computers (per 100 people)	0.6	2.3	4.5
Households with a television (%)	..	62	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.6	5.0	17.2
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	40.1
International Internet bandwidth (bits per second per person)	1	50	151
Affordability			
Residential fixed line tariff (\$ a month)	..	10.3	4.7
Mobile cellular prepaid tariff (\$ a month)	..	8.8	7.1
Fixed broadband Internet access tariff (\$ a month)	..	469.0	30.4
Trade			
ICT goods exports (% of total goods exports)	0.3	0.0	21.3
ICT goods imports (% of total goods imports)	3.4	2.2	18.4
ICT service exports (% of total service exports)	..	3.9	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.24
Secure Internet servers (per million people)	11.3	22.4	2.7

San Marino

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	..	0.03	1,117
Urban population (% of total)	93	94	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	50,670	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.5	3.2	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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	3.0
Mobile cellular and fixed-line subscribers per employee	497	438	765
Telecommunications investment (% of revenue)	62.9	45.6	15.5
Performance			
Access			
Telephone lines (per 100 people)	..	68.4	45.1
Mobile cellular subscriptions (per 100 people)	..	76.3	111.2
Fixed broadband Internet subscribers (per 100 people)	..	20.9	24.3
Personal computers (per 100 people)	..	80.0	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	..	54.1	72.3
Quality			
Population covered by mobile cellular network (%)	..	98	99
Fixed broadband Internet subscribers (% of total subscribers)	..	75.4	89.2
International Internet bandwidth (bits per second per person)	..	257,807	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.46
Secure Internet servers (per million people)	..	1,225.8	905.1

São Tomé and Príncipe

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	0.14	0.16	3,811
Urban population (% of total)	53	61	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	1,130	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	6.3	8.5
Adult literacy rate (% ages 15 and older)	85	89	80
Gross primary, secondary, and tertiary enrollment (%)	..	68	64
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>	
Internet service	..	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	8.0	3.0
Mobile cellular and fixed-line subscribers per employee	43	466	605
Telecommunications investment (% of revenue)	16.6	11.8	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.3	4.8	12.7
Mobile cellular subscriptions (per 100 people)	0.0	39.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.3	1.6	5.5
Personal computers (per 100 people)	1.0	3.9	4.5
Households with a television (%)	31	36	..
Usage			
International voice traffic, total (minutes per person per month)	..	4.6	..
Mobile telephone usage (minutes per user per month)	..	48	342
Internet users (per 100 people)	4.6	16.4	17.2
Quality			
Population covered by mobile cellular network (%)	..	20	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	12.2	40.1
International Internet bandwidth (bits per second per person)	14	51	151
Affordability			
Residential fixed line tariff (\$ a month)	..	9.6	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.9	7.1
Fixed broadband Internet access tariff (\$ a month)	..	207.3	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.4	21.3
ICT goods imports (% of total goods imports)	1.0	5.7	18.4
ICT service exports (% of total service exports)	15.9	11.7	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.24
Secure Internet servers (per million people)	..	18.1	2.7

Saudi Arabia

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	21	25	1,117
Urban population (% of total)	80	82	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	8,150	17,210	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.3	3.8	2.0
Adult literacy rate (% ages 15 and older)	79	86	98
Gross primary, secondary, and tertiary enrollment (%)	..	80	91
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	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.7	3.0
Mobile cellular and fixed-line subscribers per employee	189	1,618	765
Telecommunications investment (% of revenue)	33.9	84.1	15.5
Performance			
Access			
Telephone lines (per 100 people)	14.4	16.4	45.1
Mobile cellular subscriptions (per 100 people)	6.7	176.7	111.2
Fixed broadband Internet subscribers (per 100 people)	1.0	7.4	24.3
Personal computers (per 100 people)	6.3	69.3	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	2.2	38.6	72.3
Quality			
Population covered by mobile cellular network (%)	92	98	99
Fixed broadband Internet subscribers (% of total subscribers)	3.5	76.4	89.2
International Internet bandwidth (bits per second per person)	16	1,731	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	9.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	7.4	14.8
Fixed broadband Internet access tariff (\$ a month)	..	26.7	28.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	12.2
ICT goods imports (% of total goods imports)	5.1	4.6	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.46
Secure Internet servers (per million people)	0.5	18.5	905.1

Senegal

	Sub-Saharan Africa		Lower middle income
			Lower-middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	10	13	3,811
Urban population (% of total)	41	43	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	510	1,040	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	4.3	8.5
Adult literacy rate (% ages 15 and older)	39	50	80
Gross primary, secondary, and tertiary enrollment (%)	34	44	64
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>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	9.8	3.0
Mobile cellular and fixed-line subscribers per employee	324	1,859	605
Telecommunications investment (% of revenue)	40.4	18.7	22.4
Performance			
Access			
Telephone lines (per 100 people)	2.1	2.2	12.7
Mobile cellular subscriptions (per 100 people)	2.5	55.1	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	0.5	5.5
Personal computers (per 100 people)	1.6	2.2	4.5
Households with a television (%)	27	48	..
Usage			
International voice traffic, total (minutes per person per month)	..	8.4	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.4	7.4	17.2
Quality			
Population covered by mobile cellular network (%)	..	85	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.3	40.1
International Internet bandwidth (bits per second per person)	4	372	151
Affordability			
Residential fixed line tariff (\$ a month)	..	24.0	4.7
Mobile cellular prepaid tariff (\$ a month)	..	8.3	7.1
Fixed broadband Internet access tariff (\$ a month)	..	39.9	30.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	21.3
ICT goods imports (% of total goods imports)	3.2	4.5	18.4
ICT service exports (% of total service exports)	13.5	15.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.24
Secure Internet servers (per million people)	0.1	1.1	2.7

Serbia

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	8	7	1,002
Urban population (% of total)	51	52	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,400	6,000	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.5	5.0	4.4
Adult literacy rate (% ages 15 and older)	..	..	92
Gross primary, secondary, and tertiary enrollment (%)	..	78	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	..	M	
Mobile telephone service	..	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	4.9	3.3
Mobile cellular and fixed-line subscribers per employee	..	883	576
Telecommunications investment (% of revenue)	28.0	19.1	18.0
Performance			
Access			
Telephone lines (per 100 people)	..	42.4	22.1
Mobile cellular subscriptions (per 100 people)	..	135.4	100.6
Fixed broadband Internet subscribers (per 100 people)	..	11.5	19.4
Personal computers (per 100 people)	..	17.6	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic total (minutes per person per month)	..	16.9	..
Mobile telephone usage (minutes per user per month)	..	88	157
Internet users (per 100 people)	..	56.1	34.6
Quality			
Population covered by mobile cellular network (%)	..	94	94
Fixed broadband Internet subscribers (% of total subscribers)	..	70.1	41.6
International Internet bandwidth (bits per second per person)	..	12,660	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	3.9	10.0
Mobile cellular prepaid tariff (\$ a month)	..	5.2	8.8
Fixed broadband Internet access tariff (\$ a month)	..	13.7	18.8
Trade			
ICT goods exports (% of total goods exports)	0.5	2.2	12.2
ICT goods imports (% of total goods imports)	4.5	5.4	15.1
ICT service exports (% of total service exports)	..	8.0	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22	0.30
Secure Internet servers (per million people)	..	19.9	32.2

Seychelles

	Sub-Saharan Africa		Upper middle income	
			Upper middle-income group	
	Country data		2000	2009
Economic and social context				
Population (millions)	0.08	0.09	1,002	
Urban population (% of total)	51	55	75	
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,420	8,480	7,502	
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.6	1.7	4.4	
Adult literacy rate (% ages 15 and older)	92	92	92	
Gross primary, secondary, and tertiary enrollment (%)	..	88	82	
Structure				
Separate telecommunications regulator	..	No		
Status of main fixed-line telephone operator	<i>Private</i>	Private		
Level of competition (competition, partial comp., monopoly)				
International long distance service	<i>P</i>	C		
Mobile telephone service	<i>P</i>	P		
Internet service	<i>P</i>	C		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	6.5	4.0	3.3	
Mobile cellular and fixed-line subscribers per employee	126	..	576	
Telecommunications investment (% of revenue)	10.3	20.3	18.0	
Performance				
Access				
Telephone lines (per 100 people)	25.4	25.1	22.1	
Mobile cellular subscriptions (per 100 people)	32.0	104.9	100.6	
Fixed broadband Internet subscribers (per 100 people)	1.6	6.8	19.4	
Personal computers (per 100 people)	13.6	21.2	11.2	
Households with a television (%)	92	92	93	
Usage				
International voice traffic, total (minutes per person per month)	..	17.2	..	
Mobile telephone usage (minutes per user per month)	..	..	157	
Internet users (per 100 people)	7.4	38.6	34.6	
Quality				
Population covered by mobile cellular network (%)	97	98	94	
Fixed broadband Internet subscribers (% of total subscribers)	0.0	63.8	41.6	
International Internet bandwidth (bits per second per person)	25	1,745	1,120	
Affordability				
Residential fixed line tariff (\$ a month)	..	11.2	10.0	
Mobile cellular prepaid tariff (\$ a month)	..	11.3	8.8	
Fixed broadband Internet access tariff (\$ a month)	..	57.1	18.8	
Trade				
ICT goods exports (% of total goods exports)	0.7	0.5	12.2	
ICT goods imports (% of total goods imports)	2.2	2.9	15.1	
ICT service exports (% of total service exports)	..	1.2	5.4	
Applications				
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.30	
Secure Internet servers (per million people)	12.3	1,123.6	32.2	

Sierra Leone

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	6	846
Urban population (% of total)	36	38	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	150	340	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-5.0	9.5	5.4
Adult literacy rate (% ages 15 and older)	..	41	62
Gross primary, secondary, and tertiary enrollment (%)	46	77	56
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	<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)	..	..	2.9
Mobile cellular and fixed-line subscribers per employee	31	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.6	1.2
Mobile cellular subscriptions (per 100 people)	0.3	20.4	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	..	0.1
Personal computers (per 100 people)	..	..	0.9
Households with a television (%)	..	10	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.3	2.7
Quality			
Population covered by mobile cellular network (%)	..	70	53
Fixed broadband Internet subscribers (% of total subscribers)	..	..	5.4
International Internet bandwidth (bits per second per person)	0	..	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	0.0	2.2	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.00	0.09
Secure Internet servers (per million people)	0.2	0.2	0.6

Singapore

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	4	5	1,117
Urban population (% of total)	100	100	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,350	37,220	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.7	6.5	2.0
Adult literacy rate (% ages 15 and older)	93	95	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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	2.6	3.0
Mobile cellular and fixed-line subscribers per employee	584	..	765
Telecommunications investment (% of revenue)	14.9	12.6	15.5
Performance			
Access			
Telephone lines (per 100 people)	48.3	37.1	45.1
Mobile cellular subscriptions (per 100 people)	68.2	133.4	111.2
Fixed broadband Internet subscribers (per 100 people)	21.2	22.8	24.3
Personal computers (per 100 people)	48.2	74.3	65.4
Households with a television (%)	99	..	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	411	377	343
Internet users (per 100 people)	32.3	73.3	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	8.1	90.9	89.2
International Internet bandwidth (bits per second per person)	558	22,783	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	7.7	22.8
Mobile cellular prepaid tariff (\$ a month)	..	3.9	14.8
Fixed broadband Internet access tariff (\$ a month)	..	16.7	28.8
Trade			
ICT goods exports (% of total goods exports)	56.1	35.4	12.2
ICT goods imports (% of total goods imports)	44.4	28.2	13.3
ICT service exports (% of total service exports)	2.4	2.9	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.69	0.46
Secure Internet servers (per million people)	126.9	523.1	905.1

Slovak Republic

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	5	1,117
Urban population (% of total)	56	57	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,370	16,130	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.7	5.8	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	72	81	91
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)	3.9	3.3	3.0
Mobile cellular and fixed-line subscribers per employee	191	665	765
Telecommunications investment (% of revenue)	681.4	545.6	15.5
Performance			
Access			
Telephone lines (per 100 people)	31.5	18.9	45.1
Mobile cellular subscriptions (per 100 people)	23.1	101.5	111.2
Fixed broadband Internet subscribers (per 100 people)	1.3	15.4	24.3
Personal computers (per 100 people)	13.7	58.1	65.4
Households with a television (%)	..	99	98
Usage			
International voice traffic total (minutes per person per month)	..	19.0	..
Mobile telephone usage (minutes per user per month)	148	112	343
Internet users (per 100 people)	9.4	75.0	72.3
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	93.4	89.2
International Internet bandwidth (bits per second per person)	41	7,567	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	22.7	22.8
Mobile cellular prepaid tariff (\$ a month)	..	24.9	14.8
Fixed broadband Internet access tariff (\$ a month)	..	28.6	28.8
Trade			
ICT goods exports (% of total goods exports)	3.9	17.5	12.2
ICT goods imports (% of total goods imports)	7.8	14.7	13.3
ICT service exports (% of total service exports)	4.6	8.0	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35	0.46
Secure Internet servers (per million people)	14.7	127.6	905.1

Slovenia

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	2	2	1,117
Urban population (% of total)	51	48	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,090	23,520	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	3.8	2.0
Adult literacy rate (% ages 15 and older)	..	100	98
Gross primary, secondary, and tertiary enrollment (%)	85	93	91
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>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	3.3	3.0
Mobile cellular and fixed-line subscribers per employee	541	644	765
Telecommunications investment (% of revenue)	97.6	23.0	15.5
Performance			
Access			
Telephone lines (per 100 people)	39.5	50.6	45.1
Mobile cellular subscriptions (per 100 people)	61.1	102.8	111.2
Fixed broadband Internet subscribers (per 100 people)	7.0	23.4	24.3
Personal computers (per 100 people)	27.6	42.5	65.4
Households with a television (%)	..	99	98
Usage			
International voice traffic, total (minutes per person per month)	..	18.3	..
Mobile telephone usage (minutes per user per month)	..	143	343
Internet users (per 100 people)	15.1	63.6	72.3
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	97.2	89.2
International Internet bandwidth (bits per second per person)	95	6,720	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	19.6	22.8
Mobile cellular prepaid tariff (\$ a month)	..	15.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	21.7	28.8
Trade			
ICT goods exports (% of total goods exports)	4.6	3.8	12.2
ICT goods imports (% of total goods imports)	6.9	5.6	13.3
ICT service exports (% of total service exports)	4.2	7.2	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.40	0.46
Secure Internet servers (per million people)	51.2	301.2	905.1

Solomon Islands

East Asia & Pacific

Low income

	Country data		Low income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.42	0.52	846
Urban population (% of total)	16	18	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,000	910	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-1.9	4.5	5.4
Adult literacy rate (% ages 15 and older)	77	..	62
Gross primary, secondary, and tertiary enrollment (%)	40	50	56
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	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.4	2.9
Mobile cellular 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	1.2
Mobile cellular subscriptions (per 100 people)	0.3	5.7	26.6
Fixed broadband Internet subscribers (per 100 people)	0.3	0.4	0.1
Personal computers (per 100 people)	3.9	4.6	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.5	1.9	2.7
Quality			
Population covered by mobile cellular network (%)	35	..	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	23.7	5.4
International Internet bandwidth (bits per second per person)	1	17	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	3.5	3.5	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.09
Secure Internet servers (per million people)	..	3.7	0.6

Somalia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	7	9	846
Urban population (% of total)	33	37	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	5.4
Adult literacy rate (% ages 15 and older)	..	..	62
Gross primary, secondary, and tertiary enrollment (%)	..	..	56
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)	..	..	2.9
Mobile cellular and fixed-line subscribers per employee	..	..	301
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	1.1	1.2
Mobile cellular subscriptions (per 100 people)	1.1	7.0	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.1	0.9	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.2	2.7
Quality			
Population covered by mobile cellular network (%)	..	..	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	0	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.00	0.09
Secure Internet servers (per million people)	..	0.1	0.6

South Africa

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	44	49	1,002
Urban population (% of total)	57	61	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,050	5,760	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.5	4.1	4.4
Adult literacy rate (% ages 15 and older)	..	89	92
Gross primary, secondary, and tertiary enrollment (%)	80	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>P</i>	
Internet service	..	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	7.3	3.3
Mobile cellular and fixed-line subscribers per employee	264	1,145	576
Telecommunications investment (% of revenue)	25.5	9.8	18.0
Performance			
Access			
Telephone lines (per 100 people)	11.3	8.8	22.1
Mobile cellular subscriptions (per 100 people)	19.0	94.2	100.6
Fixed broadband Internet subscribers (per 100 people)	1.6	7.6	19.4
Personal computers (per 100 people)	6.6	8.4	11.2
Households with a television (%)	54	69	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	85	157
Internet users (per 100 people)	5.5	9.0	34.6
Quality			
Population covered by mobile cellular network (%)	92	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.3	1.7	41.6
International Internet bandwidth (bits per second per person)	8	70	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	21.6	10.0
Mobile cellular prepaid tariff (\$ a month)	..	12.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	26.9	18.8
Trade			
ICT goods exports (% of total goods exports)	2.0	2.0	12.2
ICT goods imports (% of total goods imports)	13.6	9.8	15.1
ICT service exports (% of total service exports)	2.9	3.9	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.30
Secure Internet servers (per million people)	11.6	62.6	32.2

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	40	46	1,117
Urban population (% of total)	76	77	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	15,420	32,120	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.2	2.8	2.0
Adult literacy rate (% ages 15 and older)	..	98	98
Gross primary, secondary, and tertiary enrollment (%)	92	97	91
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	4.1	3.0
Mobile cellular and fixed-line subscribers per employee	638	855	765
Telecommunications investment (% of revenue)	36.7	11.7	15.5
Performance			
Access			
Telephone lines (per 100 people)	42.5	43.6	45.1
Mobile cellular subscriptions (per 100 people)	60.3	111.0	111.2
Fixed broadband Internet subscribers (per 100 people)	8.0	21.5	24.3
Personal computers (per 100 people)	17.4	39.3	65.4
Households with a television (%)	100	100	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	101	156	343
Internet users (per 100 people)	13.6	61.2	72.3
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	2.4	98.1	89.2
International Internet bandwidth (bits per second per person)	297	11,008	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	28.5	22.8
Mobile cellular prepaid tariff (\$ a month)	..	31.6	14.8
Fixed broadband Internet access tariff (\$ a month)	..	28.8	28.8
Trade			
ICT goods exports (% of total goods exports)	5.4	3.0	12.2
ICT goods imports (% of total goods imports)	9.3	8.4	13.3
ICT service exports (% of total service exports)	5.2	6.6	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.77	0.46
Secure Internet servers (per million people)	23.0	232.7	905.1

Sri Lanka

	South Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	19	20	3,811
Urban population (% of total)	16	15	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	880	1,990	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.1	5.5	8.5
Adult literacy rate (% ages 15 and older)	91	91	80
Gross primary, secondary, and tertiary enrollment (%)	71	69	64
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>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.5	3.0
Mobile cellular and fixed-line subscribers per employee	101	919	605
Telecommunications investment (% of revenue)	35.8	12.2	22.4
Performance			
Access			
Telephone lines (per 100 people)	4.1	16.9	12.7
Mobile cellular subscriptions (per 100 people)	2.3	69.4	57.8
Fixed broadband Internet subscribers (per 100 people)	0.2	1.2	5.5
Personal computers (per 100 people)	0.7	3.7	4.5
Households with a television (%)	41	76	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	153	342
Internet users (per 100 people)	0.6	8.7	17.2
Quality			
Population covered by mobile cellular network (%)	58	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.5	67.9	40.1
International Internet bandwidth (bits per second per person)	1	190	151
Affordability			
Residential fixed line tariff (\$ a month)	..	4.7	4.7
Mobile cellular prepaid tariff (\$ a month)	..	0.9	7.1
Fixed broadband Internet access tariff (\$ a month)	..	4.4	30.4
Trade			
ICT goods exports (% of total goods exports)	2.7	1.0	21.3
ICT goods imports (% of total goods imports)	4.2	3.6	18.4
ICT service exports (% of total service exports)	7.8	17.2	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26	0.24
Secure Internet servers (per million people)	0.3	4.5	2.7

St. Kitts and Nevis

Latin America & Caribbean	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.04	0.05	1,002
Urban population (% of total)	33	32	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,470	10,150	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.3	3.2	4.4
Adult literacy rate (% ages 15 and older)	..	..	92
Gross primary, secondary, and tertiary enrollment (%)	84	62	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 cellular and fixed-line subscribers per employee	167	..	576
Telecommunications investment (% of revenue)	..	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	49.5	41.3	22.1
Mobile cellular subscriptions (per 100 people)	2.7	167.4	100.6
Fixed broadband Internet subscribers (per 100 people)	9.8	..	19.4
Personal computers (per 100 people)	15.8	23.4	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	6.1	34.3	34.6
Quality			
Population covered by mobile cellular network (%)	..	..	94
Fixed broadband Internet subscribers (% of total subscribers)	10.9	..	41.6
International Internet bandwidth (bits per second per person)	42	..	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	9.8	10.0
Mobile cellular prepaid tariff (\$ a month)	..	10.8	8.8
Fixed broadband Internet access tariff (\$ a month)	..	36.7	18.8
Trade			
ICT goods exports (% of total goods exports)	1.1	29.9	12.2
ICT goods imports (% of total goods imports)	9.8	4.8	15.1
ICT service exports (% of total service exports)	5.4	5.5	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.10	0.30
Secure Internet servers (per million people)	347.0	1,320.0	32.2

St. Lucia

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	0.16	0.17	1,002
Urban population (% of total)	28	28	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,130	5,190	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.0	2.7	4.4
Adult literacy rate (% ages 15 and older)	..	..	92
Gross primary, secondary, and tertiary enrollment (%)	73	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 cellular and fixed-line subscribers per employee	..	..	576
Telecommunications investment (% of revenue)	..	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	31.3	23.8	22.1
Mobile cellular subscriptions (per 100 people)	1.6	102.3	100.6
Fixed broadband Internet subscribers (per 100 people)	..	9.1	19.4
Personal computers (per 100 people)	14.1	16.0	11.2
Households with a television (%)	79	..	93
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	5.1	83.0	34.6
Quality			
Population covered by mobile cellular network (%)	..	80	94
Fixed broadband Internet subscribers (% of total subscribers)	..	100.1	41.6
International Internet bandwidth (bits per second per person)	95	..	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	11.6	10.0
Mobile cellular prepaid tariff (\$ a month)	..	10.5	8.8
Fixed broadband Internet access tariff (\$ a month)	..	29.3	18.8
Trade			
ICT goods exports (% of total goods exports)	9.7	5.7	12.2
ICT goods imports (% of total goods imports)	7.1	4.2	15.1
ICT service exports (% of total service exports)	4.2	1.6	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11	0.30
Secure Internet servers (per million people)	12.7	126.4	32.2

St. Vincent & Grenadines

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	0.11	0.11	1,002
Urban population (% of total)	44	47	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,920	5,130	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.7	4.5	4.4
Adult literacy rate (% ages 15 and older)	..	..	92
Gross primary, secondary, and tertiary enrollment (%)	76	80	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Private</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>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	0.4	3.3
Mobile cellular and fixed-line subscribers per employee	165	19,109	576
Telecommunications investment (% of revenue)	15.2	..	18.0
Performance			
Access			
Telephone lines (per 100 people)	23.1	21.1	22.1
Mobile cellular subscriptions (per 100 people)	2.2	110.9	100.6
Fixed broadband Internet subscribers (per 100 people)	2.5	10.8	19.4
Personal computers (per 100 people)	11.1	15.2	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	3.2	69.6	34.6
Quality			
Population covered by mobile cellular network (%)	55	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	97.4	41.6
International Internet bandwidth (bits per second per person)	37	275	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	10.9	10.0
Mobile cellular prepaid tariff (\$ a month)	..	8.3	8.8
Fixed broadband Internet access tariff (\$ a month)	..	33.6	18.8
Trade			
ICT goods exports (% of total goods exports)	0.6	11.0	12.2
ICT goods imports (% of total goods imports)	5.7	4.0	15.1
ICT service exports (% of total service exports)	9.2	6.1	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.13	0.30
Secure Internet servers (per million people)	27.8	109.8	32.2

Sudan

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	35	42	3,811
Urban population (% of total)	36	44	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	320	1,220	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.2	7.3	8.5
Adult literacy rate (% ages 15 and older)	61	70	80
Gross primary, secondary, and tertiary enrollment (%)	29	38	64
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	3.2	3.0
Mobile cellular and fixed-line subscribers per employee	146	2,168	605
Telecommunications investment (% of revenue)	71.2	418.3	22.4
Performance			
Access			
Telephone lines (per 100 people)	1.1	0.9	12.7
Mobile cellular subscriptions (per 100 people)	0.1	36.3	57.8
Fixed broadband Internet subscribers (per 100 people)	..	0.1	5.5
Personal computers (per 100 people)	0.3	10.7	4.5
Households with a television (%)	..	16	..
Usage			
International voice traffic total (minutes per person per month)	..	1.1	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.0	9.9	17.2
Quality			
Population covered by mobile cellular network (%)	20	66	77
Fixed broadband Internet subscribers (% of total subscribers)	..	4.7	40.1
International Internet bandwidth (bits per second per person)	0	322	151
Affordability			
Residential fixed line tariff (\$ a month)	..	3.9	4.7
Mobile cellular prepaid tariff (\$ a month)	..	3.4	7.1
Fixed broadband Internet access tariff (\$ a month)	..	23.3	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	21.3
ICT goods imports (% of total goods imports)	5.7	4.7	18.4
ICT service exports (% of total service exports)	9.5	1.2	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16	0.24
Secure Internet servers (per million people)	..	0.0	2.7

Suriname

Latin America & Caribbean	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.47	0.52	1,002
Urban population (% of total)	72	75	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,930	4,760	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.7	5.4	4.4
Adult literacy rate (% ages 15 and older)	..	95	92
Gross primary, secondary, and tertiary enrollment (%)	72	69	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>	C	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	5.2	3.3
Mobile cellular and fixed-line subscribers per employee	111	318	576
Telecommunications investment (% of revenue)	38.8	32.4	18.0
Performance			
Access			
Telephone lines (per 100 people)	16.1	16.1	22.1
Mobile cellular subscriptions (per 100 people)	8.8	147.0	100.6
Fixed broadband Internet subscribers (per 100 people)	0.8	2.4	19.4
Personal computers (per 100 people)	4.2	4.0	11.2
Households with a television (%)	..	..	93
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	157
Internet users (per 100 people)	2.5	31.4	34.6
Quality			
Population covered by mobile cellular network (%)	..	..	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	67.9	41.6
International Internet bandwidth (bits per second per person)	6	385	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	2.3	10.0
Mobile cellular prepaid tariff (\$ a month)	..	9.2	8.8
Fixed broadband Internet access tariff (\$ a month)	..	79.9	18.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	7.0	4.9	15.1
ICT service exports (% of total service exports)	0.0	0.0	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.30
Secure Internet servers (per million people)	..	21.0	32.2

Swaziland

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	1	1	3,811
Urban population (% of total)	23	25	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,550	2,470	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.3	2.6	8.5
Adult literacy rate (% ages 15 and older)	80	87	80
Gross primary, secondary, and tertiary enrollment (%)	58	64	64
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	4.5	3.0
Mobile cellular and fixed-line subscribers per employee	137	1,118	605
Telecommunications investment (% of revenue)	9.9	22.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.0	3.7	12.7
Mobile cellular subscriptions (per 100 people)	3.1	55.4	57.8
Fixed broadband Internet subscribers (per 100 people)	0.5	1.9	5.5
Personal computers (per 100 people)	1.1	3.7	4.5
Households with a television (%)	..	35	..
Usage			
International voice traffic total (minutes per person per month)			
Mobile telephone usage (minutes per user per month)	..	3.4	..
Internet users (per 100 people)	..	..	342
Quality			
Population covered by mobile cellular network (%)	0.9	7.6	17.2
Fixed broadband Internet subscribers (% of total subscribers)	70	91	77
International Internet bandwidth (bits per second per person)	0.0	6.8	40.1
Affordability			
Residential fixed line tariff (\$ a month)	1	35	151
Mobile cellular prepaid tariff (\$ a month)	..	4.9	4.7
Fixed broadband Internet access tariff (\$ a month)	..	12.8	7.1
Trade			
ICT goods exports (% of total goods exports)	..	858.0	30.4
ICT goods imports (% of total goods imports)	0.4	0.1	21.3
ICT service exports (% of total service exports)	2.8	3.6	18.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	1.3	11.3	19.9
Secure Internet servers (per million people)	..	0.00	0.24

Sweden

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	9	9	1,117
Urban population (% of total)	84	85	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	29,500	48,840	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.6	2.4	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	112	92	91
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)	3.1	2.7	3.0
Mobile cellular and fixed-line subscribers per employee	422	894	765
Telecommunications investment (% of revenue)	31.9	12.7	15.5
Performance			
Access			
Telephone lines (per 100 people)	64.8	55.3	45.1
Mobile cellular subscriptions (per 100 people)	71.8	122.8	111.2
Fixed broadband Internet subscribers (per 100 people)	25.3	46.3	24.3
Personal computers (per 100 people)	50.7	88.1	65.4
Households with a television (%)	..	94	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	112	206	343
Internet users (per 100 people)	45.6	90.3	72.3
Quality			
Population covered by mobile cellular network (%)	99	98	99
Fixed broadband Internet subscribers (% of total subscribers)	11.1	88.8	89.2
International Internet bandwidth (bits per second per person)	2,098	49,828	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	26.2	22.8
Mobile cellular prepaid tariff (\$ a month)	..	14.8	14.8
Fixed broadband Internet access tariff (\$ a month)	..	35.5	28.8
Trade			
ICT goods exports (% of total goods exports)	19.1	10.0	12.2
ICT goods imports (% of total goods imports)	16.3	11.5	13.3
ICT service exports (% of total service exports)	9.1	14.8	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.53	0.46
Secure Internet servers (per million people)	116.1	1,266.2	905.1

Switzerland

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	7	8	1,117
Urban population (% of total)	73	74	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	40,280	65,430	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.1	1.9	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	84	85	91
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	3.3	3.0
Mobile cellular and fixed-line subscribers per employee	409	601	765
Telecommunications investment (% of revenue)	27.2	14.2	15.5
Performance			
Access			
Telephone lines (per 100 people)	72.9	60.1	45.1
Mobile cellular subscriptions (per 100 people)	64.6	119.7	111.2
Fixed broadband Internet subscribers (per 100 people)	23.2	35.9	24.3
Personal computers (per 100 people)	65.4	96.2	65.4
Households with a television (%)	94	92	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	130	343
Internet users (per 100 people)	47.9	70.9	72.3
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	3.4	94.6	89.2
International Internet bandwidth (bits per second per person)	2,941	29,413	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	31.5	22.8
Mobile cellular prepaid tariff (\$ a month)	..	33.7	14.8
Fixed broadband Internet access tariff (\$ a month)	..	32.7	28.8
Trade			
ICT goods exports (% of total goods exports)	5.8	3.3	12.2
ICT goods imports (% of total goods imports)	11.0	6.6	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.46
Secure Internet servers (per million people)	149.2	1,876.0	905.1

Syrian Arab Republic

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	17	21	3,811
Urban population (% of total)	52	55	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	960	2,410	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.2	4.4	8.5
Adult literacy rate (% ages 15 and older)	83	84	80
Gross primary, secondary, and tertiary enrollment (%)	57	66	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	80	409	605
Telecommunications investment (% of revenue)	58.2	9.1	22.4
Performance			
Access			
Telephone lines (per 100 people)	10.1	18.4	12.7
Mobile cellular subscriptions (per 100 people)	0.2	46.0	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	3.7	5.5
Personal computers (per 100 people)	1.5	9.0	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	198	342
Internet users (per 100 people)	0.2	18.7	17.2
Quality			
Population covered by mobile cellular network (%)	50	96	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	4.4	40.1
International Internet bandwidth (bits per second per person)	1	261	151
Affordability			
Residential fixed line tariff (\$ a month)	..	1.3	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.6	7.1
Fixed broadband Internet access tariff (\$ a month)	..	31.5	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	21.3
ICT goods imports (% of total goods imports)	1.3	1.4	18.4
ICT service exports (% of total service exports)	..	4.4	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.24
Secure Internet servers (per million people)	0.1	0.1	2.7

Tajikistan

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	6	7	846
Urban population (% of total)	27	26	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	700	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.1	8.2	5.4
Adult literacy rate (% ages 15 and older)	99	100	62
Gross primary, secondary, and tertiary enrollment (%)	68	72	56
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	2.9
Mobile cellular 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	4.2	1.2
Mobile cellular subscriptions (per 100 people)	0.0	70.5	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	0.1
Personal computers (per 100 people)	..	1.3	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	168	..
Internet users (per 100 people)	0.0	10.1	2.7
Quality			
Population covered by mobile cellular network (%)	0	..	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	2.2	5.4
International Internet bandwidth (bits per second per person)	0	37	7
Affordability			
Residential fixed line tariff (\$ a month)	..	0.9	8.8
Mobile cellular prepaid tariff (\$ a month)	..	2.9	8.0
Fixed broadband Internet access tariff (\$ a month)	..	363.6	89.9
Trade			
ICT goods exports (% of total goods exports)	..	..	0.6
ICT goods imports (% of total goods imports)	..	..	5.9
ICT service exports (% of total service exports)	9.5	19.6	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.09
Secure Internet servers (per million people)	..	0.4	0.6

Tanzania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	34	44	846
Urban population (% of total)	22	26	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	500	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.2	7.1	5.4
Adult literacy rate (% ages 15 and older)	69	73	62
Gross primary, secondary, and tertiary enrollment (%)	33	54	56
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)	1.7	..	2.9
Mobile cellular 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	1.2
Mobile cellular subscriptions (per 100 people)	0.3	39.9	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.3	0.9	0.9
Households with a television (%)	3	9	..
Usage			
International voice traffic, total (minutes per person per month)	..	0.1	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.5	2.7
Quality			
Population covered by mobile cellular network (%)	25	65	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	5.4
International Internet bandwidth (bits per second per person)	0	2	7
Affordability			
Residential fixed line tariff (\$ a month)	..	12.2	8.8
Mobile cellular prepaid tariff (\$ a month)	..	10.2	8.0
Fixed broadband Internet access tariff (\$ a month)	..	63.6	89.9
Trade			
ICT goods exports (% of total goods exports)	0.4	0.6	0.6
ICT goods imports (% of total goods imports)	6.0	6.9	5.9
ICT service exports (% of total service exports)	4.3	2.7	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.09
Secure Internet servers (per million people)	..	0.4	0.6

Thailand

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	62	68	3,811
Urban population (% of total)	31	34	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,960	3,760	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-0.7	4.6	8.5
Adult literacy rate (% ages 15 and older)	93	94	80
Gross primary, secondary, and tertiary enrollment (%)	..	..	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	353	1,957	605
Telecommunications investment (% of revenue)	27.0	9.8	22.4
Performance			
Access			
Telephone lines (per 100 people)	9.0	10.4	12.7
Mobile cellular subscriptions (per 100 people)	4.9	122.6	57.8
Fixed broadband Internet subscribers (per 100 people)	1.0	..	5.5
Personal computers (per 100 people)	2.7	6.7	4.5
Households with a television (%)	..	92	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	459	342
Internet users (per 100 people)	3.7	25.8	17.2
Quality			
Population covered by mobile cellular network (%)	..	38	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	40.1
International Internet bandwidth (bits per second per person)	4	818	151
Affordability			
Residential fixed line tariff (\$ a month)	..	8.3	4.7
Mobile cellular prepaid tariff (\$ a month)	..	2.4	7.1
Fixed broadband Internet access tariff (\$ a month)	..	18.8	30.4
Trade			
ICT goods exports (% of total goods exports)	29.5	19.8	21.3
ICT goods imports (% of total goods imports)	25.3	18.1	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33	0.24
Secure Internet servers (per million people)	1.8	13.4	2.7

Timor-Leste

East Asia & Pacific	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.82	1	3,811
Urban population (% of total)	24	28	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	330	2,460	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	2.4	8.5
Adult literacy rate (% ages 15 and older)	38	51	80
Gross primary, secondary, and tertiary enrollment (%)	72	59	64
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)	..	7.9	3.0
Mobile cellular and fixed-line subscribers per employee	605
Telecommunications investment (% of revenue)	..	6.2	22.4
Performance			
Access			
Telephone lines (per 100 people)	12.7
Mobile cellular subscriptions (per 100 people)	57.8
Fixed broadband Internet subscribers (per 100 people)	..	0.1	5.5
Personal computers (per 100 people)	4.5
Households with a television (%)
Usage			
International voice traffic, total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	..	79	342
Internet users (per 100 people)	17.2
Quality			
Population covered by mobile cellular network (%)	77
Fixed broadband Internet subscribers (% of total subscribers)	40.1
International Internet bandwidth (bits per second per person)	151
Affordability			
Residential fixed line tariff (\$ a month)	4.7
Mobile cellular prepaid tariff (\$ a month)	7.1
Fixed broadband Internet access tariff (\$ a month)	30.4
Trade			
ICT goods exports (% of total goods exports)	21.3
ICT goods imports (% of total goods imports)	18.4
ICT service exports (% of total service exports)	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.13	0.24
Secure Internet servers (per million people)	..	0.9	2.7

Togo

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	5	7	846
Urban population (% of total)	37	43	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	440	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.2	2.5	5.4
Adult literacy rate (% ages 15 and older)	53	57	62
Gross primary, secondary, and tertiary enrollment (%)	55	57	56
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	P	M	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	7.4	2.9
Mobile cellular 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	2.7	1.2
Mobile cellular subscriptions (per 100 people)	1.0	33.0	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	0.9	0.1
Personal computers (per 100 people)	1.9	3.1	0.9
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	2.3	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	1.9	5.4	2.7
Quality			
Population covered by mobile cellular network (%)	80	85	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	4.5	5.4
International Internet bandwidth (bits per second per person)	0	23	7
Affordability			
Residential fixed line tariff (\$ a month)	..	12.8	8.8
Mobile cellular prepaid tariff (\$ a month)	..	12.4	8.0
Fixed broadband Internet access tariff (\$ a month)	..	186.1	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	0.6
ICT goods imports (% of total goods imports)	3.3	4.2	5.9
ICT service exports (% of total service exports)	7.7	18.6	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.09
Secure Internet servers (per million people)	..	1.8	0.6

East Asia & Pacific	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.10	0.10	3,811
Urban population (% of total)	23	25	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,020	3,260	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.0	1.0	8.5
Adult literacy rate (% ages 15 and older)	..	99	80
Gross primary, secondary, and tertiary enrollment (%)	78	82	64
Structure			
Separate telecommunications regulator	..	No	
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>P</i>	<i>C</i>	
Mobile telephone service	..	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	..	3.0
Mobile cellular and fixed-line subscribers per employee	35	..	605
Telecommunications investment (% of revenue)	..	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	9.8	29.8	12.7
Mobile cellular subscriptions (per 100 people)	0.2	51.0	57.8
Fixed broadband Internet subscribers (per 100 people)	1.2	4.3	5.5
Personal computers (per 100 people)	1.3	5.9	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	2.4	8.1	17.2
Quality			
Population covered by mobile cellular network (%)	70	90	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	16.2	40.1
International Internet bandwidth (bits per second per person)	5	116	151
Affordability			
Residential fixed line tariff (\$ a month)	..	6.5	4.7
Mobile cellular prepaid tariff (\$ a month)	..	5.9	7.1
Fixed broadband Internet access tariff (\$ a month)	..	127.8	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	..	2.8	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.24
Secure Internet servers (per million people)	30.3	19.2	2.7

Trinidad and Tobago

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	1	1	1,117
Urban population (% of total)	11	14	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,190	16,700	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.0	7.4	2.0
Adult literacy rate (% ages 15 and older)	..	99	98
Gross primary, secondary, and tertiary enrollment (%)	66	66	91
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>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.6	3.0
Mobile cellular and fixed-line subscribers per employee	157	..	765
Telecommunications investment (% of revenue)	39.2	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	24.5	23.5	45.1
Mobile cellular subscriptions (per 100 people)	12.5	147.2	111.2
Fixed broadband Internet subscribers (per 100 people)	2.0	8.6	24.3
Personal computers (per 100 people)	6.2	13.2	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	36.9	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	7.7	36.2	72.3
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	74.9	89.2
International Internet bandwidth (bits per second per person)	46	7,916	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	19.5	22.8
Mobile cellular prepaid tariff (\$ a month)	..	6.5	14.8
Fixed broadband Internet access tariff (\$ a month)	..	12.6	28.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	12.2
ICT goods imports (% of total goods imports)	4.1	4.0	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.34	0.46
Secure Internet servers (per million people)	9.2	72.2	905.1

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	10	10	3,811
Urban population (% of total)	63	67	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,090	3,720	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.5	4.9	8.5
Adult literacy rate (% ages 15 and older)	..	78	80
Gross primary, secondary, and tertiary enrollment (%)	75	78	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	153	1,004	605
Telecommunications investment (% of revenue)	39.8	17.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	10.0	12.3	12.7
Mobile cellular subscriptions (per 100 people)	1.2	93.5	57.8
Fixed broadband Internet subscribers (per 100 people)	0.4	4.0	5.5
Personal computers (per 100 people)	2.2	9.7	4.5
Households with a television (%)	89	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	171	342
Internet users (per 100 people)	2.7	33.5	17.2
Quality			
Population covered by mobile cellular network (%)	60	100	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	90.1	40.1
International Internet bandwidth (bits per second per person)	5	2,699	151
Affordability			
Residential fixed line tariff (\$ a month)	..	2.8	4.7
Mobile cellular prepaid tariff (\$ a month)	..	7.2	7.1
Fixed broadband Internet access tariff (\$ a month)	..	11.7	30.4
Trade			
ICT goods exports (% of total goods exports)	3.4	6.0	21.3
ICT goods imports (% of total goods imports)	5.5	7.5	18.4
ICT service exports (% of total service exports)	1.2	4.9	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.24
Secure Internet servers (per million people)	0.4	14.1	2.7

Turkey

Europe & Central Asia	Upper middle income		
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	66	75	1,002
Urban population (% of total)	65	69	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,990	8,720	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	4.9	4.4
Adult literacy rate (% ages 15 and older)	..	91	92
Gross primary, secondary, and tertiary enrollment (%)	69	74	82
Structure			
Separate telecommunications regulator	Yes	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	C	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.3	3.3
Mobile cellular and fixed-line subscribers per employee	477	2,145	576
Telecommunications investment (% of revenue)	7.7	18.6	18.0
Performance			
Access			
Telephone lines (per 100 people)	27.7	22.1	22.1
Mobile cellular subscriptions (per 100 people)	24.3	83.9	100.6
Fixed broadband Internet subscribers (per 100 people)	2.3	8.5	19.4
Personal computers (per 100 people)	3.8	6.1	11.2
Households with a television (%)	..	98	93
Usage			
International voice traffic total (minutes per person per month)	..	5.0	..
Mobile telephone usage (minutes per user per month)	81	169	157
Internet users (per 100 people)	3.8	35.3	34.6
Quality			
Population covered by mobile cellular network (%)	50	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	99.9	41.6
International Internet bandwidth (bits per second per person)	9	4,323	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	13.8	10.0
Mobile cellular prepaid tariff (\$ a month)	..	23.9	8.8
Fixed broadband Internet access tariff (\$ a month)	..	18.2	18.8
Trade			
ICT goods exports (% of total goods exports)	4.0	2.3	12.2
ICT goods imports (% of total goods imports)	11.1	5.9	15.1
ICT service exports (% of total service exports)	0.0	1.9	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35	0.30
Secure Internet servers (per million people)	3.2	95.1	32.2

Turkmenistan

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	5	5	3,811
Urban population (% of total)	46	49	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	650	3,420	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.9	13.9	8.5
Adult literacy rate (% ages 15 and older)	..	100	80
Gross primary, secondary, and tertiary enrollment (%)	..	..	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	50	72	605
Telecommunications investment (% of revenue)	9.0	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	8.1	9.4	12.7
Mobile cellular subscriptions (per 100 people)	0.2	29.4	57.8
Fixed broadband Internet subscribers (per 100 people)	0.0	..	5.5
Personal computers (per 100 people)	1.5	7.2	4.5
Households with a television (%)	93	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	239	342
Internet users (per 100 people)	0.1	1.6	17.2
Quality			
Population covered by mobile cellular network (%)	12	14	77
Fixed broadband Internet subscribers (% of total subscribers)	..	..	40.1
International Internet bandwidth (bits per second per person)	0	48	151
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	..	30.4
Trade			
ICT goods exports (% of total goods exports)	0.0	..	21.3
ICT goods imports (% of total goods imports)	6.3	..	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.24
Secure Internet servers (per million people)	..	0.2	2.7

Turks and Caicos Islands

High income

	Country data		High income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.02	0.03	1,117
Urban population (% of total)	85	93	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.0
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, and tertiary enrollment (%)	..	72	91
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
Mobile cellular and fixed-line subscribers per employee	765
Telecommunications investment (% of revenue)	15.5
Performance			
Access			
Telephone lines (per 100 people)	45.1
Mobile cellular subscriptions (per 100 people)	111.2
Fixed broadband Internet subscribers (per 100 people)	24.3
Personal computers (per 100 people)	65.4
Households with a television (%)	98
Usage			
International voice traffic total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	343
Internet users (per 100 people)	72.3
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband Internet subscribers (% of total subscribers)	89.2
International Internet bandwidth (bits per second per person)	19,521
Affordability			
Residential fixed line tariff (\$ a month)	22.8
Mobile cellular prepaid tariff (\$ a month)	14.8
Fixed broadband Internet access tariff (\$ a month)	28.8
Trade			
ICT goods exports (% of total goods exports)	3.9	4.1	12.2
ICT goods imports (% of total goods imports)	4.9	4.6	13.3
ICT service exports (% of total service exports)	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	0.46
Secure Internet servers (per million people)	..	394.1	905.1

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	..	0.01	3,811
Urban population (% of total)	46	50	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	8.5
Adult literacy rate (% ages 15 and older)	80
Gross primary, secondary, and tertiary enrollment (%)	64
Structure			
Separate telecommunications regulator	..	<i>No</i>	
Status of main fixed-line telephone operator	..	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	<i>M</i>	
Mobile telephone service	..	<i>M</i>	
Internet service	..	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0
Mobile cellular and fixed-line subscribers per employee	13	54	605
Telecommunications investment (% of revenue)	22.4
Performance			
Access			
Telephone lines (per 100 people)	..	8.5	12.7
Mobile cellular subscriptions (per 100 people)	..	12.5	57.8
Fixed broadband Internet subscribers (per 100 people)	..	5.0	5.5
Personal computers (per 100 people)	..	8.0	4.5
Households with a television (%)	..	50	..
Usage			
International voice traffic, total (minutes per person per month)
Mobile telephone usage (minutes per user per month)	342
Internet users (per 100 people)	..	23.9	17.2
Quality			
Population covered by mobile cellular network (%)	..	18	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	38.9	40.1
International Internet bandwidth (bits per second per person)	..	135	151
Affordability			
Residential fixed line tariff (\$ a month)	4.7
Mobile cellular prepaid tariff (\$ a month)	7.1
Fixed broadband Internet access tariff (\$ a month)	30.4
Trade			
ICT goods exports (% of total goods exports)	21.3
ICT goods imports (% of total goods imports)	6.6	..	18.4
ICT service exports (% of total service exports)	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.01	0.24
Secure Internet servers (per million people)	2.7

Uganda

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	24	33	846
Urban population (% of total)	12	13	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	460	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	7.4	7.8	5.4
Adult literacy rate (% ages 15 and older)	68	..	62
Gross primary, secondary, and tertiary enrollment (%)	67	66	56
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	2.9
Mobile cellular and fixed-line subscribers per employee	79	255	301
Telecommunications investment (% of revenue)	26.2	23.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.7	1.2
Mobile cellular subscriptions (per 100 people)	0.5	28.7	26.6
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	0.1
Personal computers (per 100 people)	0.2	1.7	0.9
Households with a television (%)	6	7	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	9.8	2.7
Quality			
Population covered by mobile cellular network (%)	16	100	53
Fixed broadband Internet subscribers (% of total subscribers)	0.0	20.0	5.4
International Internet bandwidth (bits per second per person)	0	36	7
Affordability			
Residential fixed line tariff (\$ a month)	..	9.9	8.8
Mobile cellular prepaid tariff (\$ a month)	..	7.9	8.0
Fixed broadband Internet access tariff (\$ a month)	..	194.4	89.9
Trade			
ICT goods exports (% of total goods exports)	1.1	4.9	0.6
ICT goods imports (% of total goods imports)	6.1	9.3	5.9
ICT service exports (% of total service exports)	5.6	6.1	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.10	0.09
Secure Internet servers (per million people)	..	0.9	0.6

Ukraine

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	49	46	3,811
Urban population (% of total)	67	68	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	700	2,800	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	-1.9	5.6	8.5
Adult literacy rate (% ages 15 and older)	99	100	80
Gross primary, secondary, and tertiary enrollment (%)	85	91	64
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	C	C	
Mobile telephone service	C	C	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	5.7	3.0
Mobile cellular and fixed-line subscribers per employee	88	210	605
Telecommunications investment (% of revenue)	23.1	31.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	21.2	28.3	12.7
Mobile cellular subscriptions (per 100 people)	1.7	120.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.5	5.8	5.5
Personal computers (per 100 people)	1.8	4.5	4.5
Households with a television (%)	..	97	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	49	269	342
Internet users (per 100 people)	0.7	33.3	17.2
Quality			
Population covered by mobile cellular network (%)	75	100	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	72.0	40.1
International Internet bandwidth (bits per second per person)	1	206	151
Affordability			
Residential fixed line tariff (\$ a month)	..	2.8	4.7
Mobile cellular prepaid tariff (\$ a month)	..	4.3	7.1
Fixed broadband Internet access tariff (\$ a month)	..	7.2	30.4
Trade			
ICT goods exports (% of total goods exports)	1.3	1.3	21.3
ICT goods imports (% of total goods imports)	3.6	2.6	18.4
ICT service exports (% of total service exports)	2.5	5.6	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35	0.24
Secure Internet servers (per million people)	0.9	13.3	2.7

United Arab Emirates

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	5	1,117
Urban population (% of total)	78	78	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	19,330	26,370	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.1	7.0	2.0
Adult literacy rate (% ages 15 and older)	..	90	98
Gross primary, secondary, and tertiary enrollment (%)	63	65	91
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>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)	2.7	3.1	3.0
Mobile cellular and fixed-line subscribers per employee	294	924	765
Telecommunications investment (% of revenue)	28.9	9.8	15.5
Performance			
Access			
Telephone lines (per 100 people)	31.5	33.9	45.1
Mobile cellular subscriptions (per 100 people)	44.1	232.1	111.2
Fixed broadband Internet subscribers (per 100 people)	6.5	30.6	24.3
Personal computers (per 100 people)	12.4	33.1	65.4
Households with a television (%)	..	94	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	23.6	82.2	72.3
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.7	49.0	89.2
International Internet bandwidth (bits per second per person)	5	13,233	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	4.1	22.8
Mobile cellular prepaid tariff (\$ a month)	..	4.1	14.8
Fixed broadband Internet access tariff (\$ a month)	..	40.6	28.8
Trade			
ICT goods exports (% of total goods exports)	..	2.0	12.2
ICT goods imports (% of total goods imports)	..	5.3	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.25	0.46
Secure Internet servers (per million people)	9.1	243.2	905.1

United Kingdom

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	59	62	1,117
Urban population (% of total)	89	90	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,910	41,370	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.4	2.0	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	90	88	91
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)	3.7	4.3	3.0
Mobile cellular and fixed-line subscribers per employee	380	..	765
Telecommunications investment (% of revenue)	30.4	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	59.8	54.4	45.1
Mobile cellular subscriptions (per 100 people)	73.8	130.0	111.2
Fixed broadband Internet subscribers (per 100 people)	14.3	31.6	24.3
Personal computers (per 100 people)	34.3	80.2	65.4
Households with a television (%)	99	99	98
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	150	191	343
Internet users (per 100 people)	26.8	83.2	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.6	89.1	89.2
International Internet bandwidth (bits per second per person)	1,469	39,664	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	24.1	22.8
Mobile cellular prepaid tariff (\$ a month)	..	16.5	14.8
Fixed broadband Internet access tariff (\$ a month)	..	23.8	28.8
Trade			
ICT goods exports (% of total goods exports)	19.8	8.6	12.2
ICT goods imports (% of total goods imports)	20.0	10.5	13.3
ICT service exports (% of total service exports)	5.9	7.9	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.77	0.46
Secure Internet servers (per million people)	109.4	1,395.7	905.1

United States

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	282	307	1,117
Urban population (% of total)	79	82	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,890	46,360	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.4	2.0	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	90	92	91
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	2.8	3.0
Mobile cellular and fixed-line subscribers per employee	239	416	765
Telecommunications investment (% of revenue)	25.3	15.6	15.5
Performance			
Access			
Telephone lines (per 100 people)	68.2	50.5	45.1
Mobile cellular subscriptions (per 100 people)	38.8	97.2	111.2
Fixed broadband Internet subscribers (per 100 people)	20.0	26.7	24.3
Personal computers (per 100 people)	57.1	80.5	65.4
Households with a television (%)	98	98	98
Usage			
International voice traffic total (minutes per person per month)	..	18.0	..
Mobile telephone usage (minutes per user per month)	387	829	343
Internet users (per 100 people)	43.9	78.1	72.3
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	22.4	104.1	89.2
International Internet bandwidth (bits per second per person)	394	11,279	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	12.8	22.8
Mobile cellular prepaid tariff (\$ a month)	..	15.3	14.8
Fixed broadband Internet access tariff (\$ a month)	..	20.0	28.8
Trade			
ICT goods exports (% of total goods exports)	23.4	13.0	12.2
ICT goods imports (% of total goods imports)	18.9	15.1	13.3
ICT service exports (% of total service exports)	3.4	4.6	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.94	0.46
Secure Internet servers (per million people)	274.0	1,443.3	905.1

Uruguay

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	3	1,002
Urban population (% of total)	91	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,100	9,010	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.1	3.4	4.4
Adult literacy rate (% ages 15 and older)	..	98	92
Gross primary, secondary, and tertiary enrollment (%)	82	92	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>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>P</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	3.2	3.3
Mobile cellular and fixed-line subscribers per employee	243	692	576
Telecommunications investment (% of revenue)	13.5	16.4	18.0
Performance			
Access			
Telephone lines (per 100 people)	28.1	28.5	22.1
Mobile cellular subscriptions (per 100 people)	12.4	113.7	100.6
Fixed broadband Internet subscribers (per 100 people)	..	8.6	19.4
Personal computers (per 100 people)	10.6	13.6	11.2
Households with a television (%)	93	91	93
Usage			
International voice traffic, total (minutes per person per month)	..	10.4	..
Mobile telephone usage (minutes per user per month)	..	118	157
Internet users (per 100 people)	10.6	55.5	34.6
Quality			
Population covered by mobile cellular network (%)	100	100	94
Fixed broadband Internet subscribers (% of total subscribers)	..	85.0	41.6
International Internet bandwidth (bits per second per person)	18	903	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	12.5	10.0
Mobile cellular prepaid tariff (\$ a month)	..	12.7	8.8
Fixed broadband Internet access tariff (\$ a month)	..	18.1	18.8
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	12.2
ICT goods imports (% of total goods imports)	7.4	7.0	15.1
ICT service exports (% of total service exports)	2.9	9.5	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.30
Secure Internet servers (per million people)	11.2	45.0	32.2

Uzbekistan

Europe & Central Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	25	28	3,811
Urban population (% of total)	37	37	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	1,100	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	4.1	6.9	8.5
Adult literacy rate (% ages 15 and older)	97	99	80
Gross primary, secondary, and tertiary enrollment (%)	72	73	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	66	739	605
Telecommunications investment (% of revenue)	25.3	27.9	22.4
Performance			
Access			
Telephone lines (per 100 people)	6.7	6.7	12.7
Mobile cellular subscriptions (per 100 people)	0.2	59.1	57.8
Fixed broadband Internet subscribers (per 100 people)	0.0	9.9	5.5
Personal computers (per 100 people)	..	3.1	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	378	342
Internet users (per 100 people)	0.5	16.9	17.2
Quality			
Population covered by mobile cellular network (%)	75	93	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	3.2	40.1
International Internet bandwidth (bits per second per person)	0	46	151
Affordability			
Residential fixed line tariff (\$ a month)	..	1.1	4.7
Mobile cellular prepaid tariff (\$ a month)	..	1.1	7.1
Fixed broadband Internet access tariff (\$ a month)	..	199.5	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.38	0.24
Secure Internet servers (per million people)	..	0.2	2.7

Vanuatu

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.19	0.24	3,811
Urban population (% of total)	22	25	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,440	2,620	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	3.5	4.0	8.5
Adult literacy rate (% ages 15 and older)	..	82	80
Gross primary, secondary, and tertiary enrollment (%)	61	62	64
Structure			
Separate telecommunications regulator	..	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>P</i>	
Mobile telephone service	..	<i>C</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	3.4	3.0
Mobile cellular and fixed-line subscribers per employee	39	131	605
Telecommunications investment (% of revenue)	..	20.0	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.5	3.0	12.7
Mobile cellular subscriptions (per 100 people)	0.2	52.7	57.8
Fixed broadband Internet subscribers (per 100 people)	0.7	1.1	5.5
Personal computers (per 100 people)	1.3	1.4	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	2.1	7.1	17.2
Quality			
Population covered by mobile cellular network (%)	20	50	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	19.3	40.1
International Internet bandwidth (bits per second per person)	3	221	151
Affordability			
Residential fixed line tariff (\$ a month)	..	23.7	4.7
Mobile cellular prepaid tariff (\$ a month)	..	12.9	7.1
Fixed broadband Internet access tariff (\$ a month)	..	168.2	30.4
Trade			
ICT goods exports (% of total goods exports)	..	0.2	21.3
ICT goods imports (% of total goods imports)	..	3.2	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.01	0.24
Secure Internet servers (per million people)	10.3	207.5	2.7

Venezuela, RB

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	24	28	1,002
Urban population (% of total)	90	94	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,100	10,090	7,502
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	0.6	4.9	4.4
Adult literacy rate (% ages 15 and older)	93	95	92
Gross primary, secondary, and tertiary enrollment (%)	67	89	82
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>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	3.5	3.3
Mobile cellular and fixed-line subscribers per employee	386	1,500	576
Telecommunications investment (% of revenue)	26.3	11.9	18.0
Performance			
Access			
Telephone lines (per 100 people)	10.4	24.2	22.1
Mobile cellular subscriptions (per 100 people)	22.4	99.1	100.6
Fixed broadband Internet subscribers (per 100 people)	1.1	7.2	19.4
Personal computers (per 100 people)	4.5	9.3	11.2
Households with a television (%)	..	95	93
Usage			
International voice traffic total (minutes per person per month)	..	6.6	..
Mobile telephone usage (minutes per user per month)	..	119	157
Internet users (per 100 people)	3.4	31.2	34.6
Quality			
Population covered by mobile cellular network (%)	..	90	94
Fixed broadband Internet subscribers (% of total subscribers)	1.6	91.5	41.6
International Internet bandwidth (bits per second per person)	6	628	1,120
Affordability			
Residential fixed line tariff (\$ a month)	..	9.0	10.0
Mobile cellular prepaid tariff (\$ a month)	..	28.6	8.8
Fixed broadband Internet access tariff (\$ a month)	..	31.3	18.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	12.2
ICT goods imports (% of total goods imports)	9.4	9.3	15.1
ICT service exports (% of total service exports)	9.6	7.4	5.4
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.30
Secure Internet servers (per million people)	3.7	7.4	32.2

Vietnam

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	78	87	3,811
Urban population (% of total)	24	28	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	1,000	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	6.7	7.6	8.5
Adult literacy rate (% ages 15 and older)	90	93	80
Gross primary, secondary, and tertiary enrollment (%)	64	..	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	43	79	605
Telecommunications investment (% of revenue)	50.1	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	3.3	35.2	12.7
Mobile cellular subscriptions (per 100 people)	1.0	101.5	57.8
Fixed broadband Internet subscribers (per 100 people)	0.1	6.2	5.5
Personal computers (per 100 people)	0.8	9.6	4.5
Households with a television (%)	70	..	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.3	27.5	17.2
Quality			
Population covered by mobile cellular network (%)	..	70	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	24.7	40.1
International Internet bandwidth (bits per second per person)	0	581	151
Affordability			
Residential fixed line tariff (\$ a month)	..	2.1	4.7
Mobile cellular prepaid tariff (\$ a month)	..	3.2	7.1
Fixed broadband Internet access tariff (\$ a month)	..	15.4	30.4
Trade			
ICT goods exports (% of total goods exports)	5.9	3.8	21.3
ICT goods imports (% of total goods imports)	7.5	7.1	18.4
ICT service exports (% of total service exports)	..	..	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.24
Secure Internet servers (per million people)	0.1	3.1	2.7

Virgin Islands (U.S.)

High income

	Country data		High-income group
	2000	2009	2009
Economic and social context			
Population (millions)	0.11	0.11	1,117
Urban population (% of total)	93	95	77
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	37,990
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	..	..	2.0
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, and tertiary enrollment (%)	..	..	91
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)	..	..	3.0
Mobile cellular and fixed-line subscribers per employee	..	..	765
Telecommunications investment (% of revenue)	..	..	15.5
Performance			
Access			
Telephone lines (per 100 people)	62.9	68.3	45.1
Mobile cellular subscriptions (per 100 people)	32.2	73.3	111.2
Fixed broadband Internet subscribers (per 100 people)	..	..	24.3
Personal computers (per 100 people)	2.4	2.7	65.4
Households with a television (%)	..	..	98
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	343
Internet users (per 100 people)	13.8	27.3	72.3
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.2
International Internet bandwidth (bits per second per person)	414	411	19,521
Affordability			
Residential fixed line tariff (\$ a month)	..	..	22.8
Mobile cellular prepaid tariff (\$ a month)	..	..	14.8
Fixed broadband Internet access tariff (\$ a month)	..	..	28.8
Trade			
ICT goods exports (% of total goods exports)	..	..	12.2
ICT goods imports (% of total goods imports)	..	..	13.3
ICT service exports (% of total service exports)	..	..	8.1
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	36.8	373.5	905.1

West Bank and Gaza

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2009	2009
Economic and social context			
Population (millions)	3	4	3,811
Urban population (% of total)	72	72	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,560	1,250	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	7.4	-0.9	8.5
Adult literacy rate (% ages 15 and older)	..	95	80
Gross primary, secondary, and tertiary enrollment (%)	77	78	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	263	880	605
Telecommunications investment (% of revenue)	46.2	18.4	22.4
Performance			
Access			
Telephone lines (per 100 people)	9.1	8.6	12.7
Mobile cellular subscriptions (per 100 people)	5.9	30.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.2	2.7	5.5
Personal computers (per 100 people)	3.4	5.5	4.5
Households with a television (%)	..	95	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	1.2	8.8	17.2
Quality			
Population covered by mobile cellular network (%)	95	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	54.5	40.1
International Internet bandwidth (bits per second per person)	6	313	151
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.7
Mobile cellular prepaid tariff (\$ a month)	..	..	7.1
Fixed broadband Internet access tariff (\$ a month)	..	..	30.4
Trade			
ICT goods exports (% of total goods exports)	..	..	21.3
ICT goods imports (% of total goods imports)	..	..	18.4
ICT service exports (% of total service exports)	0.4	5.4	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.24
Secure Internet servers (per million people)	..	3.6	2.7

Yemen, Rep.

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		2009
	2000	2009	2009
Economic and social context			
Population (millions)	18	24	3,811
Urban population (% of total)	26	31	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	1,060	2,321
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	5.6	3.9	8.5
Adult literacy rate (% ages 15 and older)	..	62	80
Gross primary, secondary, and tertiary enrollment (%)	49	54	64
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	3.0
Mobile cellular and fixed-line subscribers per employee	72	..	605
Telecommunications investment (% of revenue)	51.1	..	22.4
Performance			
Access			
Telephone lines (per 100 people)	1.9	5.1	12.7
Mobile cellular subscriptions (per 100 people)	0.2	16.3	57.8
Fixed broadband Internet subscribers (per 100 people)	0.0	1.3	5.5
Personal computers (per 100 people)	0.2	2.8	4.5
Households with a television (%)	..	44	..
Usage			
International voice traffic total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	342
Internet users (per 100 people)	0.1	1.8	17.2
Quality			
Population covered by mobile cellular network (%)	..	68	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	40.1
International Internet bandwidth (bits per second per person)	0	28	151
Affordability			
Residential fixed line tariff (\$ a month)	..	0.7	4.7
Mobile cellular prepaid tariff (\$ a month)	..	4.8	7.1
Fixed broadband Internet access tariff (\$ a month)	..	219.9	30.4
Trade			
ICT goods exports (% of total goods exports)	..	0.1	21.3
ICT goods imports (% of total goods imports)	..	2.5	18.4
ICT service exports (% of total service exports)	28.1	8.5	19.9
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.05	0.24
Secure Internet servers (per million people)	..	0.3	2.7

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	10	13	846
Urban population (% of total)	35	36	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	960	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	2.2	5.4	5.4
Adult literacy rate (% ages 15 and older)	68	71	62
Gross primary, secondary, and tertiary enrollment (%)	46	69	56
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>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	2.6	2.9
Mobile cellular 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	0.7	1.2
Mobile cellular subscriptions (per 100 people)	0.9	34.1	26.6
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	0.1
Personal computers (per 100 people)	0.7	1.1	0.9
Households with a television (%)	19	24	..
Usage			
International voice traffic, total (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	6.3	2.7
Quality			
Population covered by mobile cellular network (%)	51	50	53
Fixed broadband Internet subscribers (% of total subscribers)	0.3	31.4	5.4
International Internet bandwidth (bits per second per person)	0	8	7
Affordability			
Residential fixed line tariff (\$ a month)	..	24.6	8.8
Mobile cellular prepaid tariff (\$ a month)	..	12.7	8.0
Fixed broadband Internet access tariff (\$ a month)	..	51.4	89.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	0.6
ICT goods imports (% of total goods imports)	6.7	3.7	5.9
ICT service exports (% of total service exports)	0.1	8.0	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.10	0.09
Secure Internet servers (per million people)	..	1.2	0.6

Zimbabwe

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2009	2009
Economic and social context			
Population (millions)	12	13	846
Urban population (% of total)	34	38	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	480	360	509
GDP growth, 1995–2000 and 2000–09 (avg. annual %)	1.5	-7.5	5.4
Adult literacy rate (% ages 15 and older)	..	92	62
Gross primary, secondary, and tertiary enrollment (%)	58	56	56
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	M	P	
Mobile telephone service	C	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	5.2	2.9
Mobile cellular and fixed-line subscribers per employee	112	711	301
Telecommunications investment (% of revenue)	90.9	4.1	..
Performance			
Access			
Telephone lines (per 100 people)	2.0	3.1	1.2
Mobile cellular subscriptions (per 100 people)	2.1	23.9	26.6
Fixed broadband Internet subscribers (per 100 people)	0.2	0.8	0.1
Personal computers (per 100 people)	1.6	7.6	0.9
Households with a television (%)	..	31	..
Usage			
International voice traffic total (minutes per person per month)	..	1.6	..
Mobile telephone usage (minutes per user per month)	..	98	..
Internet users (per 100 people)	0.4	11.4	2.7
Quality			
Population covered by mobile cellular network (%)	..	75	53
Fixed broadband Internet subscribers (% of total subscribers)	2.2	18.1	5.4
International Internet bandwidth (bits per second per person)	1	17	7
Affordability			
Residential fixed line tariff (\$ a month)	..	..	8.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.0
Fixed broadband Internet access tariff (\$ a month)	..	..	89.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.6	0.6
ICT goods imports (% of total goods imports)	4.0	4.8	5.9
ICT service exports (% of total service exports)	..	..	6.5
Applications			
E-gov't Web measure index (0–1, 1=highest presence)	..	0.13	0.09
Secure Internet servers (per million people)	0.1	1.0	0.6

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 four stages of e-government evolution: emerging presence, enhanced presence, transactional presence, and connected presence. A value of 0 indicates the lowest presence, a value of 1 the highest. Data listed for 2009 are for 2010. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network)

Fixed broadband Internet access tariff is the lowest sampled cost per 100 kilobits per second per month and are calculated from low- and high-speed monthly service charges. Monthly charges do not include installation fees or modem rentals. (International Telecommunication Union)

Fixed broadband Internet subscribers are the number of broadband subscribers with a digital subscriber line, cable modem, or other high-speed technology. (International Telecommunication Union)

GDP growth is the annual percentage growth rate of gross domestic product (GDP) at market prices based on constant local currency. Aggregates are based on constant 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 making 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 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, total is the sum of international incoming and outgoing telephone traffic (in minutes). (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 cellular 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 cellular prepaid tariff is based on the Organisation for Economic Cooperation and Development's low-user definition, which includes the cost of monthly mobile use for 25 outgoing calls per month spread over the same network, other mobile networks, and mobile to fixed-line calls and during peak, off-peak, and weekend times as well as 30 text messages per month. (International Telecommunication Union)

Mobile telephone usage is the minutes of use per mobile (both prepaid and contract) 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)

Residential fixed-line tariff is the monthly subscription charge plus the cost of 30 three-minute local calls (15 peak and 15 off-peak). (International Telecommunication Union)

Secure Internet servers are the number of servers using encryption technology for Internet transactions. Data listed for 2009 are for December 2010. (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)