

2010 | 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 that reach more than 4 billion people globally, including people in remote and rural areas. The number of Internet users has risen constantly and now tops 1.6 billion people, with the number of broadband connections up to 400 million in 2008.

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 2010 charts the progress of this revolution for 210 countries around the world. It provides comparable statistics on the sector for 2000 and 2008 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 Global Information and Communication Technologies Department at www.worldbank.org/ict.

Data notes

The data in this book are for 2000 and 2008 or the most recent year unless otherwise noted in the table or the *Glossary*.

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

Symbols used:

.. indicates that data are not available or that aggregates cannot be calculated because of missing data.

0 or 0.0 indicates zero or small enough that the number would round to zero at the displayed number of decimal places.

\$ indicates current U.S. dollars.

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

Regional tables

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

East Asia and Pacific

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

Europe and Central Asia

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

Latin America and the Caribbean

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

Middle East and North Africa

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

South Asia

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

Sub-Saharan Africa

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

World

	2000	2008
Economic and social context		
Population (millions)	6,085	6,697
Urban population (% of total)	47	50
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,264	8,654
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.2	3.1
Adult literacy rate (% ages 15 and older)	78	82
Gross primary, secondary, and tertiary enrollment (%)	64	68
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	3.2
Mobile and fixed-line subscribers per employee	155	651
Telecommunications investment (% of revenue)	26.7	18.5
Performance		
Access		
Telephone lines (per 100 people)	16.2	18.9
Mobile cellular subscriptions (per 100 people)	12.3	60.8
Fixed broadband Internet subscribers (per 100 people)	2.3	8.7
Personal computers (per 100 people)	8.0	15.3
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	3.2	..
Mobile telephone usage (minutes per user per month)	195	282
Internet users (per 100 people)	6.8	23.9
Quality		
Population covered by mobile cellular network (%)	..	80
Fixed broadband Internet subscribers (% of total subscribers)	15.7	63.3
International Internet bandwidth (bits per second per person)	103	3,546
Affordability		
Residential fixed line tariff (\$ a month)	..	10.9
Mobile cellular prepaid tariff (\$ a month)	..	10.1
Fixed broadband Internet access tariff (\$ a month)	..	31.4
Trade		
ICT goods exports (% of total goods exports)	18.0	12.2
ICT goods imports (% of total goods imports)	17.7	12.5
ICT service exports (% of total service exports)	5.6	8.3
Applications		
ICT expenditure (% of GDP)	..	6.0
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32
Secure Internet servers (per million people)	21.8	113.5

East Asia & Pacific

	2000	2008
Economic and social context		
Population (millions)	1,807	1,930
Urban population (% of total)	37	44
GNI per capita, <i>World Bank Atlas</i> method (\$)	904	2,644
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.0	9.1
Adult literacy rate (% ages 15 and older)	91	93
Gross primary, secondary, and tertiary enrollment (%)	65	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)	3.0	3.0
Mobile and fixed-line subscribers per employee	151	546
Telecommunications investment (% of revenue)	30.7	..
Performance		
Access		
Telephone lines (per 100 people)	9.3	21.7
Mobile cellular subscriptions (per 100 people)	5.8	52.9
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 (minutes per person per month)	0.5	0.8
Mobile telephone usage (minutes per user per month)	247	332
Internet users (per 100 people)	1.9	19.4
Quality		
Population covered by mobile cellular network (%)	..	93
Fixed broadband Internet subscribers (% of total subscribers)	0.2	41.9
International Internet bandwidth (bits per second per person)	2	470
Affordability		
Residential fixed line tariff (\$ a month)	..	4.5
Mobile cellular prepaid tariff (\$ a month)	..	5.0
Fixed broadband Internet access tariff (\$ a month)	..	21.7
Trade		
ICT goods exports (% of total goods exports)	29.8	25.5
ICT goods imports (% of total goods imports)	26.7	22.4
ICT service exports (% of total service exports)	4.7	5.6
Applications		
ICT expenditure (% of GDP)	..	5.9
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18
Secure Internet servers (per million people)	0.3	2.2

Europe & Central Asia

	2000	2008
Economic and social context		
Population (millions)	441	443
Urban population (% of total)	63	64
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,011	7,350
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.7	6.2
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, and tertiary enrollment (%)	..	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)	2.9	2.8
Mobile and fixed-line subscribers per employee	97	462
Telecommunications investment (% of revenue)	24.2	21.4
Performance		
Access		
Telephone lines (per 100 people)	21.3	25.6
Mobile cellular subscriptions (per 100 people)	7.5	109.9
Fixed broadband Internet subscribers (per 100 people)	1.0	11.8
Personal computers (per 100 people)	4.8	10.7
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	2.3	..
Mobile telephone usage (minutes per user per month)	85	183
Internet users (per 100 people)	2.5	28.6
Quality		
Population covered by mobile cellular network (%)	..	92
Fixed broadband Internet subscribers (% of total subscribers)	4.1	38.2
International Internet bandwidth (bits per second per person)	12	1,244
Affordability		
Residential fixed line tariff (\$ a month)	..	8.7
Mobile cellular prepaid tariff (\$ a month)	..	8.9
Fixed broadband Internet access tariff (\$ a month)	..	22.7
Trade		
ICT goods exports (% of total goods exports)	2.1	2.1
ICT goods imports (% of total goods imports)	8.5	6.5
ICT service exports (% of total service exports)	4.1	5.4
Applications		
ICT expenditure (% of GDP)	..	4.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35
Secure Internet servers (per million people)	2.7	30.1

Latin America & Caribbean

	2000	2008
Economic and social context		
Population (millions)	512	566
Urban population (% of total)	75	79
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,802	6,768
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	3.9
Adult literacy rate (% ages 15 and older)	89	92
Gross primary, secondary, and tertiary enrollment (%)	80	82
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.0	3.8
Mobile and fixed-line subscribers per employee	244	550
Telecommunications investment (% of revenue)	26.3	..
Performance		
Access		
Telephone lines (per 100 people)	14.5	18.5
Mobile cellular subscriptions (per 100 people)	12.1	80.3
Fixed broadband Internet subscribers (per 100 people)	1.3	6.2
Personal computers (per 100 people)	4.9	11.5
Households with a television (%)	..	88
Usage		
International voice traffic (minutes per person per month)	3.0	..
Mobile telephone usage (minutes per user per month)	127	114
Internet users (per 100 people)	3.8	28.9
Quality		
Population covered by mobile cellular network (%)	..	92
Fixed broadband Internet subscribers (% of total subscribers)	3.0	88.8
International Internet bandwidth (bits per second per person)	8	1,391
Affordability		
Residential fixed line tariff (\$ a month)	..	10.4
Mobile cellular prepaid tariff (\$ a month)	..	9.6
Fixed broadband Internet access tariff (\$ a month)	..	34.0
Trade		
ICT goods exports (% of total goods exports)	12.5	10.9
ICT goods imports (% of total goods imports)	16.3	13.5
ICT service exports (% of total service exports)	6.5	4.8
Applications		
ICT expenditure (% of GDP)	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44
Secure Internet servers (per million people)	4.0	20.0

Middle East & North Africa

	2000	2008
Economic and social context		
Population (millions)	280	325
Urban population (% of total)	55	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,618	3,237
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.5	4.8
Adult literacy rate (% ages 15 and older)	67	73
Gross primary, secondary, and tertiary enrollment (%)	63	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)	1.9	3.1
Mobile 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	16.2
Mobile cellular subscriptions (per 100 people)	2.2	58.0
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 (minutes per person per month)	1.2	2.2
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.9	18.9
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)	..	7.2
Fixed broadband Internet access tariff (\$ a month)	..	23.0
Trade		
ICT goods exports (% of total goods exports)	..	..
ICT goods imports (% of total goods imports)	..	..
ICT service exports (% of total service exports)	..	..
Applications		
ICT expenditure (% of GDP)	..	5.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22
Secure Internet servers (per million people)	0.2	1.6

South Asia

	2000	2008
Economic and social context		
Population (millions)	1,362	1,545
Urban population (% of total)	27	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	442	963
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.4	7.3
Adult literacy rate (% ages 15 and older)	58	61
Gross primary, secondary, and tertiary enrollment (%)	52	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	2.1
Mobile and fixed-line subscribers per employee	60	565
Telecommunications investment (% of revenue)	25.9	..
Performance		
Access		
Telephone lines (per 100 people)	2.7	3.1
Mobile cellular subscriptions (per 100 people)	0.3	32.6
Fixed broadband Internet subscribers (per 100 people)	0.2	1.3
Personal computers (per 100 people)	0.4	3.3
Households with a television (%)	17	46
Usage		
International voice traffic (minutes per person per month)	0.2	..
Mobile telephone usage (minutes per user per month)	198	363
Internet users (per 100 people)	0.5	4.7
Quality		
Population covered by mobile cellular network (%)	24	61
Fixed broadband Internet subscribers (% of total subscribers)	0.0	33.1
International Internet bandwidth (bits per second per person)	1	31
Affordability		
Residential fixed line tariff (\$ a month)	..	3.5
Mobile cellular prepaid tariff (\$ a month)	..	1.9
Fixed broadband Internet access tariff (\$ a month)	..	21.0
Trade		
ICT goods exports (% of total goods exports)	1.4	1.2
ICT goods imports (% of total goods imports)	6.4	5.1
ICT service exports (% of total service exports)	29.5	47.3
Applications		
ICT expenditure (% of GDP)	..	4.7
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37
Secure Internet servers (per million people)	0.1	1.3

Sub-Saharan Africa

	2000	2008
Economic and social context		
Population (millions)	672	819
Urban population (% of total)	33	36
GNI per capita, <i>World Bank Atlas</i> method (\$)	486	1,077
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.2	5.2
Adult literacy rate (% ages 15 and older)	57	66
Gross primary, secondary, and tertiary enrollment (%)	42	52
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 and fixed-line subscribers per employee	73	492
Telecommunications investment (% of revenue)	32.5	..
Performance		
Access		
Telephone lines (per 100 people)	1.5	1.5
Mobile cellular subscriptions (per 100 people)	1.8	33.3
Fixed broadband Internet subscribers (per 100 people)	0.2	..
Personal computers (per 100 people)	0.9	2.0
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	0.6	..
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.5	6.5
Quality		
Population covered by mobile cellular network (%)	..	56
Fixed broadband Internet subscribers (% of total subscribers)	0.2	..
International Internet bandwidth (bits per second per person)	1	34
Affordability		
Residential fixed line tariff (\$ a month)	..	11.6
Mobile cellular prepaid tariff (\$ a month)	..	11.8
Fixed broadband Internet access tariff (\$ a month)	..	100.1
Trade		
ICT goods exports (% of total goods exports)	0.9	0.9
ICT goods imports (% of total goods imports)	8.9	7.5
ICT service exports (% of total service exports)	..	..
Applications		
ICT expenditure (% of GDP)	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16
Secure Internet servers (per million people)	..	3.1

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 \$975 or less in 2008.

Middle-income economies are those with a GNI per capita of more than \$975 but less than \$11,906. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$3,855.

High-income economies are those with a GNI per capita of \$11,906 or more.

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

Low income

	2000	2008
Economic and social context		
Population (millions)	825	976
Urban population (% of total)	26	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	290	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.5	5.8
Adult literacy rate (% ages 15 and older)	61	69
Gross primary, secondary, and tertiary enrollment (%)	45	53
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)	2.0	3.1
Mobile and fixed-line subscribers per employee	53	275
Telecommunications investment (% of revenue)	27.4	..
Performance		
Access		
Telephone lines (per 100 people)	1.2	4.6
Mobile cellular subscriptions (per 100 people)	0.4	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	1.0
Personal computers (per 100 people)	0.3	1.7
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	0.4	..
Mobile telephone usage (minutes per user per month)	..	..
Internet users (per 100 people)	0.2	4.6
Quality		
Population covered by mobile cellular network (%)	..	56
Fixed broadband Internet subscribers (% of total subscribers)	0.1	7.2
International Internet bandwidth (bits per second per person)	0	24
Affordability		
Residential fixed line tariff (\$ a month)	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	102.4
Trade		
ICT goods exports (% of total goods exports)	1.8	2.5
ICT goods imports (% of total goods imports)	4.8	6.3
ICT service exports (% of total service exports)	..	..
Applications		
ICT expenditure (% of GDP)	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11
Secure Internet servers (per million people)	..	0.5

Middle income

	2000	2008
Economic and social context		
Population (millions)	4,250	4,652
Urban population (% of total)	44	48
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,321	3,251
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.1	6.4
Adult literacy rate (% ages 15 and older)	81	83
Gross primary, secondary, and tertiary enrollment (%)	63	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 and fixed-line subscribers per employee	152	595
Telecommunications investment (% of revenue)	26.9	22.5
Performance		
Access		
Telephone lines (per 100 people)	9.3	15.2
Mobile cellular subscriptions (per 100 people)	5.2	56.8
Fixed broadband Internet subscribers (per 100 people)	0.7	6.3
Personal computers (per 100 people)	2.1	5.6
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	0.9	..
Mobile telephone usage (minutes per user per month)	162	261
Internet users (per 100 people)	1.8	17.3
Quality		
Population covered by mobile cellular network (%)	..	80
Fixed broadband Internet subscribers (% of total subscribers)	0.7	43.7
International Internet bandwidth (bits per second per person)	4	377
Affordability		
Residential fixed line tariff (\$ a month)	..	8.5
Mobile cellular prepaid tariff (\$ a month)	..	9.0
Fixed broadband Internet access tariff (\$ a month)	..	29.4
Trade		
ICT goods exports (% of total goods exports)	16.7	14.4
ICT goods imports (% of total goods imports)	18.0	14.6
ICT service exports (% of total service exports)	7.7	12.6
Applications		
ICT expenditure (% of GDP)	..	5.1
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33
Secure Internet servers (per million people)	1.1	7.1

Lower middle income

	2000	2008
Economic and social context		
Population (millions)	3,362	3,703
Urban population (% of total)	37	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	771	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.5	8.3
Adult literacy rate (% ages 15 and older)	77	80
Gross primary, secondary, and tertiary enrollment (%)	60	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 and fixed-line subscribers per employee	123	685
Telecommunications investment (% of revenue)	27.4	22.6
Performance		
Access		
Telephone lines (per 100 people)	7.0	13.6
Mobile cellular subscriptions (per 100 people)	3.4	47.0
Fixed broadband Internet subscribers (per 100 people)	0.5	5.6
Personal computers (per 100 people)	1.2	4.5
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	0.5	..
Mobile telephone usage (minutes per user per month)	192	328
Internet users (per 100 people)	1.2	13.9
Quality		
Population covered by mobile cellular network (%)	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.2	40.4
International Internet bandwidth (bits per second per person)	1	153
Affordability		
Residential fixed line tariff (\$ a month)	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	31.4
Trade		
ICT goods exports (% of total goods exports)	19.0	19.7
ICT goods imports (% of total goods imports)	18.7	17.0
ICT service exports (% of total service exports)	..	18.6
Applications		
ICT expenditure (% of GDP)	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29
Secure Internet servers (per million people)	0.2	1.8

Upper middle income

	2000	2008
Economic and social context		
Population (millions)	888	949
Urban population (% of total)	72	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,399	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.9	4.6
Adult literacy rate (% ages 15 and older)	92	93
Gross primary, secondary, and tertiary enrollment (%)	79	82
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.0	3.3
Mobile and fixed-line subscribers per employee	242	559
Telecommunications investment (% of revenue)	26.5	..
Performance		
Access		
Telephone lines (per 100 people)	18.1	21.6
Mobile cellular subscriptions (per 100 people)	11.8	95.3
Fixed broadband Internet subscribers (per 100 people)	1.4	8.2
Personal computers (per 100 people)	5.4	11.5
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	3.0	..
Mobile telephone usage (minutes per user per month)	120	144
Internet users (per 100 people)	4.2	30.6
Quality		
Population covered by mobile cellular network (%)	..	94
Fixed broadband Internet subscribers (% of total subscribers)	1.5	81.8
International Internet bandwidth (bits per second per person)	11	1,281
Affordability		
Residential fixed line tariff (\$ a month)	..	11.7
Mobile cellular prepaid tariff (\$ a month)	..	9.9
Fixed broadband Internet access tariff (\$ a month)	..	26.3
Trade		
ICT goods exports (% of total goods exports)	14.9	10.1
ICT goods imports (% of total goods imports)	17.4	12.7
ICT service exports (% of total service exports)	4.8	5.2
Applications		
ICT expenditure (% of GDP)	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.36
Secure Internet servers (per million people)	4.4	28.2

Low and middle income

	2000	2008
Economic and social context		
Population (millions)	5,075	5,629
Urban population (% of total)	41	45
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,153	2,780
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.1	6.4
Adult literacy rate (% ages 15 and older)	78	81
Gross primary, secondary, and tertiary enrollment (%)	61	65
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.8	3.2
Mobile and fixed-line subscribers per employee	99	559
Telecommunications investment (% of revenue)	26.9	..
Performance		
Access		
Telephone lines (per 100 people)	8.1	13.5
Mobile cellular subscriptions (per 100 people)	4.4	52.2
Fixed broadband Internet subscribers (per 100 people)	0.6	5.7
Personal computers (per 100 people)	1.8	5.2
Households with a television (%)	..	..
Usage		
International voice traffic (minutes per person per month)	0.8	..
Mobile telephone usage (minutes per user per month)	..	259
Internet users (per 100 people)	1.6	15.3
Quality		
Population covered by mobile cellular network (%)	..	76
Fixed broadband Internet subscribers (% of total subscribers)	0.7	42.9
International Internet bandwidth (bits per second per person)	3	320
Affordability		
Residential fixed line tariff (\$ a month)	..	8.5
Mobile cellular prepaid tariff (\$ a month)	..	9.1
Fixed broadband Internet access tariff (\$ a month)	..	36.4
Trade		
ICT goods exports (% of total goods exports)	16.4	14.3
ICT goods imports (% of total goods imports)	17.6	14.4
ICT service exports (% of total service exports)	7.7	12.4
Applications		
ICT expenditure (% of GDP)	..	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27
Secure Internet servers (per million people)	1.0	6.0

	2000	2008
Economic and social context		
Population (millions)	312	326
Urban population (% of total)	72	73
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,943	38,839
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.8	1.8
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 and fixed-line subscribers per employee	409	789
Telecommunications investment (% of revenue)	22.8	14.6
Performance		
Access		
Telephone lines (per 100 people)	53.1	49.0
Mobile cellular subscriptions (per 100 people)	60.4	121.9
Fixed broadband Internet subscribers (per 100 people)	12.4	26.8
Personal computers (per 100 people)	26.1	56.1
Households with a television (%)	..	98
Usage		
International voice traffic (minutes per person per month)	15.8	..
Mobile telephone usage (minutes per user per month)	106	144
Internet users (per 100 people)	22.8	62.6
Quality		
Population covered by mobile cellular network (%)	99	99
Fixed broadband Internet subscribers (% of total subscribers)	3.5	80.8
International Internet bandwidth (bits per second per person)	830	32,540
Affordability		
Residential fixed line tariff (\$ a month)	..	28.7
Mobile cellular prepaid tariff (\$ a month)	..	18.7
Fixed broadband Internet access tariff (\$ a month)	..	30.5
Trade		
ICT goods exports (% of total goods exports)	11.6	7.0
ICT goods imports (% of total goods imports)	13.1	8.2
ICT service exports (% of total service exports)	6.2	9.1
Applications		
ICT expenditure (% of GDP)	..	5.2
E-gov't Web measure index (0–1, 1=highest presence)	..	0.60
Secure Internet servers (per million people)	38.3	380.3

High income

	2000	2008
Economic and social context		
Population (millions)	1,010	1,069
Urban population (% of total)	76	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,918	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.1	2.3
Adult literacy rate (% ages 15 and older)	..	..
Gross primary, secondary, and tertiary enrollment (%)	90	92
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	3.1
Mobile and fixed-line subscribers per employee	374	801
Telecommunications investment (% of revenue)	25.9	15.4
Performance		
Access		
Telephone lines (per 100 people)	56.5	47.0
Mobile cellular subscriptions (per 100 people)	51.1	106.1
Fixed broadband Internet subscribers (per 100 people)	13.4	25.0
Personal computers (per 100 people)	37.5	67.8
Households with a television (%)	..	98
Usage		
International voice traffic (minutes per person per month)	14.0	14.0
Mobile telephone usage (minutes per user per month)	206	336
Internet users (per 100 people)	31.5	69.1
Quality		
Population covered by mobile cellular network (%)	99	99
Fixed broadband Internet subscribers (% of total subscribers)	19.9	89.0
International Internet bandwidth (bits per second per person)	587	20,143
Affordability		
Residential fixed line tariff (\$ a month)	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	29.8
Trade		
ICT goods exports (% of total goods exports)	18.4	11.7
ICT goods imports (% of total goods imports)	17.7	12.0
ICT service exports (% of total service exports)	5.3	7.3
Applications		
ICT expenditure (% of GDP)	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.59
Secure Internet servers (per million people)	114.8	715.4

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 2010* 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 2010* 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 2010* or data.worldbank.org.

Tanzania

GNI and GDP data and data calculated using GNI and GDP refer to mainland Tanzania only. For more information, see *World Development Indicators 2010* or data.worldbank.org.

Afghanistan

South Asia

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	24	29	976
Urban population (% of total)	21	24	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	370	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	11.8	5.8
Adult literacy rate (% ages 15 and older)	..	..	69
Gross primary, secondary, and tertiary enrollment (%)	14	55	53
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>P</i>	
Mobile telephone service	..	<i>P</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	5.5	3.1
Mobile and fixed-line subscribers per employee	..	58	275
Telecommunications investment (% of revenue)	..	37.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.1	0.3	4.6
Mobile cellular subscriptions (per 100 people)	0.0	27.2	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	..	0.4	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	0.0	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	1.7	4.6
Quality			
Population covered by mobile cellular network (%)	..	75	56
Fixed broadband Internet subscribers (% of total subscribers)	..	18.3	7.2
International Internet bandwidth (bits per second per person)	..	1	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	0.4	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	..	0.3	0.5

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	3	3,703
Urban population (% of total)	42	47	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,170	3,840	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.2	5.4	8.3
Adult literacy rate (% ages 15 and older)	99	99	80
Gross primary, secondary, and tertiary enrollment (%)	68	68	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>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	3.0
Mobile and fixed-line subscribers per employee	40	871	685
Telecommunications investment (% of revenue)	28.4	10.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	5.0	10.9	13.6
Mobile cellular subscriptions (per 100 people)	1.0	99.9	47.0
Fixed broadband Internet subscribers (per 100 people)	0.2	2.7	5.6
Personal computers (per 100 people)	0.8	4.6	4.5
Households with a television (%)	90	..	..
Usage			
International voice traffic (minutes per person per month)	6.1	10.6	..
Mobile telephone usage (minutes per user per month)	..	56	328
Internet users (per 100 people)	0.1	23.9	13.9
Quality			
Population covered by mobile cellular network (%)	84	99	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	76.2	40.4
International Internet bandwidth (bits per second per person)	4	220	153
Affordability			
Residential fixed line tariff (\$ a month)	..	4.3	4.8
Mobile cellular prepaid tariff (\$ a month)	..	22.7	8.4
Fixed broadband Internet access tariff (\$ a month)	..	31.4	31.4
Trade			
ICT goods exports (% of total goods exports)	0.7	0.8	19.7
ICT goods imports (% of total goods imports)	4.3	4.0	17.0
ICT service exports (% of total service exports)	4.8	6.8	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.29
Secure Internet servers (per million people)	0.3	7.0	1.8

Algeria

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	31	34	949
Urban population (% of total)	60	65	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,610	4,190	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.2	4.3	4.6
Adult literacy rate (% ages 15 and older)	70	73	93
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>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	2.7	3.3
Mobile and fixed-line subscribers per employee	103	285	559
Telecommunications investment (% of revenue)	23.9	23.7	..
Performance			
Access			
Telephone lines (per 100 people)	5.8	9.6	21.6
Mobile cellular subscriptions (per 100 people)	0.3	92.7	95.3
Fixed broadband Internet subscribers (per 100 people)	0.2	0.6	8.2
Personal computers (per 100 people)	0.7	1.1	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	2.3	1.5	..
Mobile telephone usage (minutes per user per month)	..	147	144
Internet users (per 100 people)	0.5	11.9	30.6
Quality			
Population covered by mobile cellular network (%)	40	82	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	71.1	81.8
International Internet bandwidth (bits per second per person)	0	5	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	4.6	11.7
Mobile cellular prepaid tariff (\$ a month)	..	8.2	9.9
Fixed broadband Internet access tariff (\$ a month)	..	17.3	26.3
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	10.1
ICT goods imports (% of total goods imports)	5.9	5.8	12.7
ICT service exports (% of total service exports)	..	..	5.2
Applications			
ICT expenditure (% of GDP)	..	2.3	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22	0.36
Secure Internet servers (per million people)	..	0.5	28.2

American Samoa

	East Asia & Pacific		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	0.06	0.07	949
Urban population (% of total)	89	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.6
Adult literacy rate (% ages 15 and older)	93
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 and fixed-line subscribers per employee	82	..	559
Telecommunications investment (% of revenue)
Performance			
Access			
Telephone lines (per 100 people)	17.8	15.7	21.6
Mobile cellular subscriptions (per 100 people)	3.5	3.6	95.3
Fixed broadband Internet subscribers (per 100 people)	8.2
Personal computers (per 100 people)	11.5
Households with a television (%)
Usage			
International voice traffic (minutes per person per month)
Mobile telephone usage (minutes per user per month)	144
Internet users (per 100 people)	30.6
Quality			
Population covered by mobile cellular network (%)	94
Fixed broadband Internet subscribers (% of total subscribers)	81.8
International Internet bandwidth (bits per second per person)	1,281
Affordability			
Residential fixed line tariff (\$ a month)	11.7
Mobile cellular prepaid tariff (\$ a month)	9.9
Fixed broadband Internet access tariff (\$ a month)	26.3
Trade			
ICT goods exports (% of total goods exports)	10.1
ICT goods imports (% of total goods imports)	12.7
ICT service exports (% of total service exports)	5.2
Applications			
ICT expenditure (% of GDP)	4.8
E-gov't Web measure index (0–1, 1=highest presence)	0.36
Secure Internet servers (per million people)	..	61.5	28.2

Andorra

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	..	0.08	1,069
Urban population (% of total)	92	89	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	36,970	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.6	6.4	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	65	66	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>M</i>	M	
Internet service	..	M	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	3.7	3.1
Mobile and fixed-line subscribers per employee	..	415	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	..	44.6	47.0
Mobile cellular subscriptions (per 100 people)	..	76.6	106.1
Fixed broadband Internet subscribers (per 100 people)	..	33.1	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	..	70.5	69.1
Quality			
Population covered by mobile cellular network (%)	91	99	99
Fixed broadband Internet subscribers (% of total subscribers)	19.1	72.4	89.0
International Internet bandwidth (bits per second per person)	..	16,466	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	4.5	11.4	11.7
ICT goods imports (% of total goods imports)	8.8	14.0	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.59
Secure Internet servers (per million people)	..	772.2	715.4

	Sub-Saharan Africa		Lower middle income	
			Lower middle-income group	
	Country data		2000	2008
Economic and social context				
Population (millions)		14	18	3,703
Urban population (% of total)		49	57	41
GNI per capita, <i>World Bank Atlas</i> method (\$)		410	3,340	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		6.3	13.5	8.3
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>	Public	
Level of competition (competition, partial comp., monopoly)				
International long distance service		<i>M</i>	<i>C</i>	
Mobile telephone service		<i>P</i>	<i>C</i>	
Internet service		<i>P</i>	<i>C</i>	
Efficiency and capacity				
Telecommunications revenue (% of GDP)		1.2	2.0	3.0
Mobile and fixed-line subscribers per employee		43	586	685
Telecommunications investment (% of revenue)		..	25.3	22.6
Performance				
Access				
Telephone lines (per 100 people)		0.5	0.6	13.6
Mobile cellular subscriptions (per 100 people)		0.2	37.6	47.0
Fixed broadband Internet subscribers (per 100 people)		0.0	0.6	5.6
Personal computers (per 100 people)		0.1	0.6	4.5
Households with a television (%)		..	34	..
Usage				
International voice traffic (minutes per person per month)		0.4	..	..
Mobile telephone usage (minutes per user per month)		..	104	328
Internet users (per 100 people)		0.1	3.1	13.9
Quality				
Population covered by mobile cellular network (%)		..	40	77
Fixed broadband Internet subscribers (% of total subscribers)		0.0	14.9	40.4
International Internet bandwidth (bits per second per person)		0	17	153
Affordability				
Residential fixed line tariff (\$ a month)		..	20.2	4.8
Mobile cellular prepaid tariff (\$ a month)		..	11.8	8.4
Fixed broadband Internet access tariff (\$ a month)		..	163.6	31.4
Trade				
ICT goods exports (% of total goods exports)		19.7
ICT goods imports (% of total goods imports)		17.0
ICT service exports (% of total service exports)		18.6
Applications				
ICT expenditure (% of GDP)		5.5
E-gov't Web measure index (0–1, 1=highest presence)		..	0.44	0.29
Secure Internet servers (per million people)		..	2.1	1.8

Antigua and Barbuda

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.08	0.09	1,069
Urban population (% of total)	32	30	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,960	13,200	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	6.4	2.3
Adult literacy rate (% ages 15 and older)	99	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>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)	..	..	3.1
Mobile and fixed-line subscribers per employee	128	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	49.7	43.9	47.0
Mobile cellular subscriptions (per 100 people)	28.5	157.7	106.1
Fixed broadband Internet subscribers (per 100 people)	..	15.4	25.0
Personal computers (per 100 people)	10.2	20.7	67.8
Households with a television (%)	89	..	98
Usage			
International voice traffic (minutes per person per month)	53.1	49.4	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	6.5	75.0	69.1
Quality			
Population covered by mobile cellular network (%)	85	100	99
Fixed broadband Internet subscribers (% of total subscribers)	..	94.5	89.0
International Internet bandwidth (bits per second per person)	356	37,514	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	40.6	9.7	11.7
ICT goods imports (% of total goods imports)	10.1	8.2	12.0
ICT service exports (% of total service exports)	4.4	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.59
Secure Internet servers (per million people)	241.6	646.4	715.4

Argentina

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	37	40	949
Urban population (% of total)	90	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,460	7,190	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.7	5.3	4.6
Adult literacy rate (% ages 15 and older)	97	98	93
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 and fixed-line subscribers per employee	700	1,929	559
Telecommunications investment (% of revenue)	20.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	21.4	24.4	21.6
Mobile cellular subscriptions (per 100 people)	17.6	116.6	95.3
Fixed broadband Internet subscribers (per 100 people)	3.3	9.4	8.2
Personal computers (per 100 people)	6.9	9.0	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.2	3.5	..
Mobile telephone usage (minutes per user per month)	89	80	144
Internet users (per 100 people)	7.0	28.1	30.6
Quality			
Population covered by mobile cellular network (%)	30	94	94
Fixed broadband Internet subscribers (% of total subscribers)	5.7	85.2	81.8
International Internet bandwidth (bits per second per person)	12	2,320	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	4.8	11.7
Mobile cellular prepaid tariff (\$ a month)	..	12.5	9.9
Fixed broadband Internet access tariff (\$ a month)	..	38.4	26.3
Trade			
ICT goods exports (% of total goods exports)	0.7	0.5	10.1
ICT goods imports (% of total goods imports)	15.3	9.4	12.7
ICT service exports (% of total service exports)	6.5	9.1	5.2
Applications			
ICT expenditure (% of GDP)	..	4.8	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.56	0.36
Secure Internet servers (per million people)	6.4	19.7	28.2

Armenia

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	3	3,703
Urban population (% of total)	65	64	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	660	3,350	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.1	12.4	8.3
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	3.0	3.0
Mobile and fixed-line subscribers per employee	71	173	685
Telecommunications investment (% of revenue)	46.3	23.6	22.6
Performance			
Access			
Telephone lines (per 100 people)	17.3	20.3	13.6
Mobile cellular subscriptions (per 100 people)	0.6	100.0	47.0
Fixed broadband Internet subscribers (per 100 people)	0.4	2.9	5.6
Personal computers (per 100 people)	0.8	9.7	4.5
Households with a television (%)	89	85	..
Usage			
International voice traffic (minutes per person per month)	3.4	10.5	..
Mobile telephone usage (minutes per user per month)	..	174	328
Internet users (per 100 people)	1.3	6.2	13.9
Quality			
Population covered by mobile cellular network (%)	38	88	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.1	40.4
International Internet bandwidth (bits per second per person)	3	22	153
Affordability			
Residential fixed line tariff (\$ a month)	..	5.1	4.8
Mobile cellular prepaid tariff (\$ a month)	..	8.4	8.4
Fixed broadband Internet access tariff (\$ a month)	..	39.2	31.4
Trade			
ICT goods exports (% of total goods exports)	2.1	1.3	19.7
ICT goods imports (% of total goods imports)	7.0	5.9	17.0
ICT service exports (% of total service exports)	13.0	17.4	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.29
Secure Internet servers (per million people)	0.3	7.5	1.8

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.09	0.11	1,069
Urban population (% of total)	47	47	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	..	2.3
Adult literacy rate (% ages 15 and older)	97	98	..
Gross primary, secondary, and tertiary enrollment (%)	87	84	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	..	3.1
Mobile and fixed-line subscribers per employee	130	422	801
Telecommunications investment (% of revenue)	..	15.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	42.0	36.5	47.0
Mobile cellular subscriptions (per 100 people)	16.5	114.6	106.1
Fixed broadband Internet subscribers (per 100 people)	8.6	17.4	25.0
Personal computers (per 100 people)	..	9.7	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	15.4	22.8	69.1
Quality			
Population covered by mobile cellular network (%)	..	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	100.0	89.0
International Internet bandwidth (bits per second per person)	970	11,778	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	11.7
ICT goods imports (% of total goods imports)	0.0	0.0	12.0
ICT service exports (% of total service exports)	1.1	1.0	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	32.3	356.7	715.4

Australia

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	19	21	1,069
Urban population (% of total)	87	89	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,710	40,240	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.1	3.3	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	115	114	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.3	3.1
Mobile and fixed-line subscribers per employee	181	346	801
Telecommunications investment (% of revenue)	30.9	18.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	52.5	43.7	47.0
Mobile cellular subscriptions (per 100 people)	44.7	103.2	106.1
Fixed broadband Internet subscribers (per 100 people)	20.5	37.3	25.0
Personal computers (per 100 people)	47.0	60.3	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	18.7	..	14.0
Mobile telephone usage (minutes per user per month)	98	128	336
Internet users (per 100 people)	46.8	70.8	69.1
Quality			
Population covered by mobile cellular network (%)	96	99	99
Fixed broadband Internet subscribers (% of total subscribers)	2.9	64.3	89.0
International Internet bandwidth (bits per second per person)	128	5,457	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	27.5	27.0
Mobile cellular prepaid tariff (\$ a month)	..	26.5	16.1
Fixed broadband Internet access tariff (\$ a month)	..	27.5	29.8
Trade			
ICT goods exports (% of total goods exports)	3.2	1.5	11.7
ICT goods imports (% of total goods imports)	16.3	10.0	12.0
ICT service exports (% of total service exports)	7.0	4.9	7.3
Applications			
ICT expenditure (% of GDP)	..	4.9	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.75	0.59
Secure Internet servers (per million people)	176.3	1,212.2	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	8	8	1,069
Urban population (% of total)	66	67	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,830	45,900	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	2.2	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	90	89	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.7	3.1
Mobile and fixed-line subscribers per employee	545	843	801
Telecommunications investment (% of revenue)	18.8	14.4	15.4
Performance			
Access			
Telephone lines (per 100 people)	49.9	39.4	47.0
Mobile cellular subscriptions (per 100 people)	76.4	129.7	106.1
Fixed broadband Internet subscribers (per 100 people)	13.1	24.6	25.0
Personal computers (per 100 people)	36.2	60.7	67.8
Households with a television (%)	..	97	98
Usage			
International voice traffic (minutes per person per month)	25.2	22.1	14.0
Mobile telephone usage (minutes per user per month)	123	197	336
Internet users (per 100 people)	33.7	71.2	69.1
Quality			
Population covered by mobile cellular network (%)	98	99	99
Fixed broadband Internet subscribers (% of total subscribers)	18.1	84.5	89.0
International Internet bandwidth (bits per second per person)	1,034	20,323	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	28.7	27.0
Mobile cellular prepaid tariff (\$ a month)	..	24.3	16.1
Fixed broadband Internet access tariff (\$ a month)	..	60.9	29.8
Trade			
ICT goods exports (% of total goods exports)	7.9	5.8	11.7
ICT goods imports (% of total goods imports)	10.9	6.9	12.0
ICT service exports (% of total service exports)	3.4	6.3	7.3
Applications			
ICT expenditure (% of GDP)	..	5.5	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.67	0.59
Secure Internet servers (per million people)	83.2	553.2	715.4

Azerbaijan

Europe & Central Asia Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	8	9	3,703
Urban population (% of total)	51	52	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	610	3,830	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	7.3	18.1	8.3
Adult literacy rate (% ages 15 and older)	99	100	80
Gross primary, secondary, and tertiary enrollment (%)	72	77	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>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	3.0
Mobile and fixed-line subscribers per employee	123	484	685
Telecommunications investment (% of revenue)	27.9	17.6	22.6
Performance			
Access			
Telephone lines (per 100 people)	10.0	15.1	13.6
Mobile cellular subscriptions (per 100 people)	5.2	75.4	47.0
Fixed broadband Internet subscribers (per 100 people)	0.0	4.7	5.6
Personal computers (per 100 people)	0.7	8.0	4.5
Households with a television (%)	..	99	..
Usage			
International voice traffic (minutes per person per month)	1.0	2.7	..
Mobile telephone usage (minutes per user per month)	..	81	328
Internet users (per 100 people)	0.1	28.2	13.9
Quality			
Population covered by mobile cellular network (%)	94	99	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	14.6	40.4
International Internet bandwidth (bits per second per person)	0	1,180	153
Affordability			
Residential fixed line tariff (\$ a month)	..	2.4	4.8
Mobile cellular prepaid tariff (\$ a month)	..	15.2	8.4
Fixed broadband Internet access tariff (\$ a month)	..	84.5	31.4
Trade			
ICT goods exports (% of total goods exports)	0.3	0.0	19.7
ICT goods imports (% of total goods imports)	10.6	5.0	17.0
ICT service exports (% of total service exports)	..	3.6	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.29
Secure Internet servers (per million people)	0.1	1.9	1.8

Bahamas, The

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.30	0.34	1,069
Urban population (% of total)	82	84	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	17,040	21,390	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.5	1.3	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	67	74	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	132	396	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	37.5	39.3	47.0
Mobile cellular subscriptions (per 100 people)	10.3	106.0	106.1
Fixed broadband Internet subscribers (per 100 people)	2.7	10.5	25.0
Personal computers (per 100 people)	8.9	12.3	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	51.4	48.4	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	4.3	31.5	69.1
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband Internet subscribers (% of total subscribers)	34.0	95.9	89.0
International Internet bandwidth (bits per second per person)	146	2,788	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	0.6	0.4	11.7
ICT goods imports (% of total goods imports)	3.9	2.6	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.59
Secure Internet servers (per million people)	71.2	263.4	715.4

Bahrain

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.65	0.78	1,069
Urban population (% of total)	88	89	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,740	25,420	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.3	6.6	2.3
Adult literacy rate (% ages 15 and older)	87	91	..
Gross primary, secondary, and tertiary enrollment (%)	83	85	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.9	4.1	3.1
Mobile and fixed-line subscribers per employee	180	554	801
Telecommunications investment (% of revenue)	21.4	14.9	15.4
Performance			
Access			
Telephone lines (per 100 people)	26.3	28.4	47.0
Mobile cellular subscriptions (per 100 people)	31.6	185.8	106.1
Fixed broadband Internet subscribers (per 100 people)	3.4	14.8	25.0
Personal computers (per 100 people)	14.6	74.6	67.8
Households with a television (%)	97	..	98
Usage			
International voice traffic (minutes per person per month)	34.0	48.9	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	6.2	51.9	69.1
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	96.1	89.0
International Internet bandwidth (bits per second per person)	293	2,521	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	4.7	27.0
Mobile cellular prepaid tariff (\$ a month)	..	6.5	16.1
Fixed broadband Internet access tariff (\$ a month)	..	26.7	29.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	11.7
ICT goods imports (% of total goods imports)	3.6	2.3	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.52	0.59
Secure Internet servers (per million people)	16.5	94.8	715.4

Bangladesh

South Asia

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	141	160	976
Urban population (% of total)	24	27	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	350	520	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.2	5.8	5.8
Adult literacy rate (% ages 15 and older)	47	55	69
Gross primary, secondary, and tertiary enrollment (%)	..	49	53
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	3.1
Mobile and fixed-line subscribers per employee	48	..	275
Telecommunications investment (% of revenue)	25.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.8	4.6
Mobile cellular subscriptions (per 100 people)	0.2	27.9	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.1	2.3	1.7
Households with a television (%)	18	23	..
Usage			
International voice traffic (minutes per person per month)	0.1	0.5	..
Mobile telephone usage (minutes per user per month)	313	264	..
Internet users (per 100 people)	0.1	0.3	4.6
Quality			
Population covered by mobile cellular network (%)	40	90	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	4	24
Affordability			
Residential fixed line tariff (\$ a month)	..	1.3	9.0
Mobile cellular prepaid tariff (\$ a month)	..	1.3	10.0
Fixed broadband Internet access tariff (\$ a month)	..	53.9	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.6	2.5
ICT goods imports (% of total goods imports)	2.9	5.7	6.3
ICT service exports (% of total service exports)	3.0	6.2	..
Applications			
ICT expenditure (% of GDP)	..	9.0	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35	0.11
Secure Internet servers (per million people)	0.0	0.2	0.5

Barbados

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.25	0.26	1,069
Urban population (% of total)	36	40	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,110	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.7	..	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
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	3.1
Mobile and fixed-line subscribers per employee	172	365	801
Telecommunications investment (% of revenue)	15.8	12.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	49.2	58.8	47.0
Mobile cellular subscriptions (per 100 people)	11.3	159.1	106.1
Fixed broadband Internet subscribers (per 100 people)	..	..	25.0
Personal computers (per 100 people)	8.7	15.8	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	44.4	54.2	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	4.0	73.7	69.1
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	..	2,039	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	18.4	27.0
Mobile cellular prepaid tariff (\$ a month)	..	11.0	16.1
Fixed broadband Internet access tariff (\$ a month)	..	49.4	29.8
Trade			
ICT goods exports (% of total goods exports)	9.1	3.5	11.7
ICT goods imports (% of total goods imports)	8.7	6.3	12.0
ICT service exports (% of total service exports)	4.4	1.5	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.59
Secure Internet servers (per million people)	55.7	312.7	715.4

Belarus

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	10	10	949
Urban population (% of total)	70	73	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,380	5,360	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.7	8.6	4.6
Adult literacy rate (% ages 15 and older)	100	100	93
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 and fixed-line subscribers per employee	105	280	559
Telecommunications investment (% of revenue)	28.8	41.3	..
Performance			
Access			
Telephone lines (per 100 people)	27.5	38.4	21.6
Mobile cellular subscriptions (per 100 people)	0.5	84.0	95.3
Fixed broadband Internet subscribers (per 100 people)	0.0	4.2	8.2
Personal computers (per 100 people)	..	0.8	11.5
Households with a television (%)	..	93	..
Usage			
International voice traffic (minutes per person per month)	3.3	5.3	..
Mobile telephone usage (minutes per user per month)	..	335	144
Internet users (per 100 people)	1.9	32.1	30.6
Quality			
Population covered by mobile cellular network (%)	62	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	2.8	81.8
International Internet bandwidth (bits per second per person)	2	748	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	..	11.7
Mobile cellular prepaid tariff (\$ a month)	..	..	9.9
Fixed broadband Internet access tariff (\$ a month)	..	..	26.3
Trade			
ICT goods exports (% of total goods exports)	1.9	0.6	10.1
ICT goods imports (% of total goods imports)	2.9	2.7	12.7
ICT service exports (% of total service exports)	5.4	7.2	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33	0.36
Secure Internet servers (per million people)	0.4	3.0	28.2

Belgium

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	10	11	1,069
Urban population (% of total)	97	97	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,360	44,570	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.7	2.0	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	108	94	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.8	3.1
Mobile and fixed-line subscribers per employee	374	732	801
Telecommunications investment (% of revenue)	33.7	13.3	15.4
Performance			
Access			
Telephone lines (per 100 people)	49.1	41.6	47.0
Mobile cellular subscriptions (per 100 people)	54.9	110.4	106.1
Fixed broadband Internet subscribers (per 100 people)	11.2	28.5	25.0
Personal computers (per 100 people)	22.4	37.7	67.8
Households with a television (%)	..	99	98
Usage			
International voice traffic (minutes per person per month)	26.4	..	14.0
Mobile telephone usage (minutes per user per month)	105	153	336
Internet users (per 100 people)	29.3	68.1	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	12.5	96.9	89.0
International Internet bandwidth (bits per second per person)	1,829	24,945	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	36.4	27.0
Mobile cellular prepaid tariff (\$ a month)	..	21.9	16.1
Fixed broadband Internet access tariff (\$ a month)	..	30.5	29.8
Trade			
ICT goods exports (% of total goods exports)	6.2	2.9	11.7
ICT goods imports (% of total goods imports)	7.6	4.0	12.0
ICT service exports (% of total service exports)	7.4	8.7	7.3
Applications			
ICT expenditure (% of GDP)	..	5.2	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.54	0.59
Secure Internet servers (per million people)	33.2	310.2	715.4

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	0.25	0.32	3,703
Urban population (% of total)	48	52	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,110	3,740	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.8	4.7	8.3
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 and fixed-line subscribers per employee	132	315	685
Telecommunications investment (% of revenue)	15.1	24.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	14.3	9.7	13.6
Mobile cellular subscriptions (per 100 people)	6.7	49.7	47.0
Fixed broadband Internet subscribers (per 100 people)	1.7	2.4	5.6
Personal computers (per 100 people)	12.0	14.4	4.5
Households with a television (%)	70	..	..
Usage			
International voice traffic (minutes per person per month)	10.0	12.0	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	6.0	10.6	13.9
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.4	40.4
International Internet bandwidth (bits per second per person)	12	1,521	153
Affordability			
Residential fixed line tariff (\$ a month)	..	20.9	4.8
Mobile cellular prepaid tariff (\$ a month)	..	14.9	8.4
Fixed broadband Internet access tariff (\$ a month)	..	89.5	31.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	19.7
ICT goods imports (% of total goods imports)	4.5	4.9	17.0
ICT service exports (% of total service exports)	4.7	3.2	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.29
Secure Internet servers (per million people)	31.1	306.3	1.8

Benin

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	7	9	976
Urban population (% of total)	38	41	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	360	700	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.3	3.9	5.8
Adult literacy rate (% ages 15 and older)	35	41	69
Gross primary, secondary, and tertiary enrollment (%)	44	58	53
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	..	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.0	3.1
Mobile and fixed-line subscribers per employee	87	1,539	275
Telecommunications investment (% of revenue)	54.2	5.2	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.8	4.6
Mobile cellular subscriptions (per 100 people)	0.8	39.7	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.2	0.7	1.7
Households with a television (%)	16	23	..
Usage			
International voice traffic (minutes per person per month)	0.4	1.0	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.8	4.6
Quality			
Population covered by mobile cellular network (%)	23	80	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	24.8	7.2
International Internet bandwidth (bits per second per person)	0	18	24
Affordability			
Residential fixed line tariff (\$ a month)	..	7.5	9.0
Mobile cellular prepaid tariff (\$ a month)	..	15.5	10.0
Fixed broadband Internet access tariff (\$ a month)	..	104.7	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	2.5
ICT goods imports (% of total goods imports)	3.3	3.5	6.3
ICT service exports (% of total service exports)	..	0.8	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.12	0.11
Secure Internet servers (per million people)	0.1	0.1	0.5

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.06	0.06	1,069
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.6	4.2	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	87	73	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	3.8	3.1
Mobile and fixed-line subscribers per employee	151	178	801
Telecommunications investment (% of revenue)	33.0	11.3	15.4
Performance			
Access			
Telephone lines (per 100 people)	90.2	89.7	47.0
Mobile cellular subscriptions (per 100 people)	20.9	123.1	106.1
Fixed broadband Internet subscribers (per 100 people)	..	59.4	25.0
Personal computers (per 100 people)	48.3	22.5	67.8
Households with a television (%)	..	96	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	43.5	79.4	69.1
Quality			
Population covered by mobile cellular network (%)	..	98	99
Fixed broadband Internet subscribers (% of total subscribers)	..	62.4	89.0
International Internet bandwidth (bits per second per person)	..	8,699	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	9.1	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	496.3	3,229.8	715.4

Bhutan

	South Asia		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	0.56	0.69	3,703
Urban population (% of total)	25	34	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	1,900	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.2	8.6	8.3
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	2.1	3.0
Mobile and fixed-line subscribers per employee	41	449	685
Telecommunications investment (% of revenue)	26.2	81.1	22.6
Performance			
Access			
Telephone lines (per 100 people)	2.5	4.0	13.6
Mobile cellular subscriptions (per 100 people)	0.0	36.5	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	0.9	5.6
Personal computers (per 100 people)	0.9	2.5	4.5
Households with a television (%)	..	58	..
Usage			
International voice traffic (minutes per person per month)	..	3.4	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.4	6.6	13.9
Quality			
Population covered by mobile cellular network (%)	..	21	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	34.3	40.4
International Internet bandwidth (bits per second per person)	2	66	153
Affordability			
Residential fixed line tariff (\$ a month)	..	3.5	4.8
Mobile cellular prepaid tariff (\$ a month)	..	3.0	8.4
Fixed broadband Internet access tariff (\$ a month)	..	60.7	31.4
Trade			
ICT goods exports (% of total goods exports)	..	0.0	19.7
ICT goods imports (% of total goods imports)	12.3	5.2	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.29
Secure Internet servers (per million people)	..	4.3	1.8

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)		8	10
Urban population (% of total)		62	66
GNI per capita, <i>World Bank Atlas</i> method (\$)		1,000	1,460
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		3.5	4.1
Adult literacy rate (% ages 15 and older)		87	91
Gross primary, secondary, and tertiary enrollment (%)		84	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>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
Mobile and fixed-line subscribers per employee		451	376
Telecommunications investment (% of revenue)		43.4	3.8
Performance			
Access			
Telephone lines (per 100 people)		6.1	7.1
Mobile cellular subscriptions (per 100 people)		7.0	49.8
Fixed broadband Internet subscribers (per 100 people)		0.5	2.1
Personal computers (per 100 people)		1.7	2.4
Households with a television (%)		..	63
Usage			
International voice traffic (minutes per person per month)		1.2	6.7
Mobile telephone usage (minutes per user per month)	
Internet users (per 100 people)		1.4	10.8
Quality			
Population covered by mobile cellular network (%)		43	46
Fixed broadband Internet subscribers (% of total subscribers)		0.0	17.1
International Internet bandwidth (bits per second per person)		2	225
Affordability			
Residential fixed line tariff (\$ a month)		..	22.7
Mobile cellular prepaid tariff (\$ a month)		..	5.9
Fixed broadband Internet access tariff (\$ a month)		..	33.5
Trade			
ICT goods exports (% of total goods exports)		0.7	0.0
ICT goods imports (% of total goods imports)		7.6	4.2
ICT service exports (% of total service exports)		15.9	12.4
Applications			
ICT expenditure (% of GDP)		..	4.9
E-gov't Web measure index (0–1, 1=highest presence)		..	0.52
Secure Internet servers (per million people)		0.6	4.0

Bosnia and Herzegovina

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	949
Urban population (% of total)	43	47	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,500	4,520	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	25.2	5.4	4.6
Adult literacy rate (% ages 15 and older)	97	98	93
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)	4.3	5.5	3.3
Mobile and fixed-line subscribers per employee	480	567	559
Telecommunications investment (% of revenue)	22.8	20.2	..
Performance			
Access			
Telephone lines (per 100 people)	21.1	27.3	21.6
Mobile cellular subscriptions (per 100 people)	2.5	84.3	95.3
Fixed broadband Internet subscribers (per 100 people)	0.4	8.9	8.2
Personal computers (per 100 people)	3.8	6.4	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	7.7	9.1	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	1.1	34.7	30.6
Quality			
Population covered by mobile cellular network (%)	60	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	56.1	81.8
International Internet bandwidth (bits per second per person)	7	529	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	9.5	11.7
Mobile cellular prepaid tariff (\$ a month)	..	9.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	14.8	26.3
Trade			
ICT goods exports (% of total goods exports)	..	0.5	10.1
ICT goods imports (% of total goods imports)	..	4.1	12.7
ICT service exports (% of total service exports)	..	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.36
Secure Internet servers (per million people)	..	8.5	28.2

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	2	2	949
Urban population (% of total)	53	60	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,330	6,640	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	8.6	4.5	4.6
Adult literacy rate (% ages 15 and older)	..	83	93
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)	3.0	3.0	3.3
Mobile and fixed-line subscribers per employee	202	1,018	559
Telecommunications investment (% of revenue)	13.9	122.2	..
Performance			
Access			
Telephone lines (per 100 people)	7.9	7.4	21.6
Mobile cellular subscriptions (per 100 people)	12.9	77.3	95.3
Fixed broadband Internet subscribers (per 100 people)	0.9	0.5	8.2
Personal computers (per 100 people)	3.5	6.2	11.5
Households with a television (%)	10	..	..
Usage			
International voice traffic (minutes per person per month)	3.5	9.5	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	2.9	6.2	30.6
Quality			
Population covered by mobile cellular network (%)	90	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	89.0	81.8
International Internet bandwidth (bits per second per person)	3	220	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	16.9	11.7
Mobile cellular prepaid tariff (\$ a month)	..	8.3	9.9
Fixed broadband Internet access tariff (\$ a month)	..	29.6	26.3
Trade			
ICT goods exports (% of total goods exports)	0.7	0.2	10.1
ICT goods imports (% of total goods imports)	6.0	4.3	12.7
ICT service exports (% of total service exports)	0.1	3.1	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22	0.36
Secure Internet servers (per million people)	..	3.6	28.2

Brazil

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	174	192	949
Urban population (% of total)	81	86	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,870	7,300	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.7	3.6	4.6
Adult literacy rate (% ages 15 and older)	86	90	93
Gross primary, secondary, and tertiary enrollment (%)	90	85	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	P	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	4.6	3.3
Mobile and fixed-line subscribers per employee	516	358	559
Telecommunications investment (% of revenue)	39.8	12.6	..
Performance			
Access			
Telephone lines (per 100 people)	17.8	21.4	21.6
Mobile cellular subscriptions (per 100 people)	13.3	78.5	95.3
Fixed broadband Internet subscribers (per 100 people)	1.3	5.9	8.2
Personal computers (per 100 people)	4.9	16.1	11.5
Households with a television (%)	89	97	..
Usage			
International voice traffic (minutes per person per month)	0.9	..	..
Mobile telephone usage (minutes per user per month)	249	93	144
Internet users (per 100 people)	2.9	37.5	30.6
Quality			
Population covered by mobile cellular network (%)	..	91	94
Fixed broadband Internet subscribers (% of total subscribers)	4.4	88.6	81.8
International Internet bandwidth (bits per second per person)	5	2,108	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	29.1	11.7
Mobile cellular prepaid tariff (\$ a month)	..	37.0	9.9
Fixed broadband Internet access tariff (\$ a month)	..	47.3	26.3
Trade			
ICT goods exports (% of total goods exports)	4.6	1.8	10.1
ICT goods imports (% of total goods imports)	16.4	10.9	12.7
ICT service exports (% of total service exports)	0.7	2.2	5.2
Applications			
ICT expenditure (% of GDP)	..	5.3	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.60	0.36
Secure Internet servers (per million people)	5.8	25.9	28.2

Brunei Darussalam

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.33	0.39	1,069
Urban population (% of total)	71	75	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,670	27,050	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.0	2.1	2.3
Adult literacy rate (% ages 15 and older)	93	95	..
Gross primary, secondary, and tertiary enrollment (%)	75	78	92
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>P</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	24.1	19.5	47.0
Mobile cellular subscriptions (per 100 people)	28.5	95.8	106.1
Fixed broadband Internet subscribers (per 100 people)	6.7	4.7	25.0
Personal computers (per 100 people)	6.9	8.9	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	11.9	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	9.0	55.3	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	8.2	50.9	89.0
International Internet bandwidth (bits per second per person)	180	1,581	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	11.7
ICT goods imports (% of total goods imports)	6.4	6.6	12.0
ICT service exports (% of total service exports)	0.5	1.8	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26	0.59
Secure Internet servers (per million people)	8.8	42.5	715.4

Bulgaria

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	8	8	949
Urban population (% of total)	69	71	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,600	5,490	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.4	5.8	4.6
Adult literacy rate (% ages 15 and older)	98	98	93
Gross primary, secondary, and tertiary enrollment (%)	79	84	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>P</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	5.3	3.3
Mobile and fixed-line subscribers per employee	140	565	559
Telecommunications investment (% of revenue)	14.0	22.5	..
Performance			
Access			
Telephone lines (per 100 people)	35.8	28.7	21.6
Mobile cellular subscriptions (per 100 people)	9.2	137.7	95.3
Fixed broadband Internet subscribers (per 100 people)	0.1	11.2	8.2
Personal computers (per 100 people)	4.5	11.0	11.5
Households with a television (%)	..	98	..
Usage			
International voice traffic (minutes per person per month)	3.3	2.2	..
Mobile telephone usage (minutes per user per month)	..	96	144
Internet users (per 100 people)	5.3	34.7	30.6
Quality			
Population covered by mobile cellular network (%)	95	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	99.2	81.8
International Internet bandwidth (bits per second per person)	5	37,657	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	9.2	11.7
Mobile cellular prepaid tariff (\$ a month)	..	18.6	9.9
Fixed broadband Internet access tariff (\$ a month)	..	15.6	26.3
Trade			
ICT goods exports (% of total goods exports)	1.0	2.6	10.1
ICT goods imports (% of total goods imports)	5.2	6.1	12.7
ICT service exports (% of total service exports)	2.3	5.5	5.2
Applications			
ICT expenditure (% of GDP)	..	6.3	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.36
Secure Internet servers (per million people)	2.3	34.7	28.2

Burkina Faso

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	12	15	976
Urban population (% of total)	17	20	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	480	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.8	5.6	5.8
Adult literacy rate (% ages 15 and older)	..	29	69
Gross primary, secondary, and tertiary enrollment (%)	22	33	53
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)	2.0	4.0	3.1
Mobile and fixed-line subscribers per employee	62	440	275
Telecommunications investment (% of revenue)	38.0	88.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.9	4.6
Mobile cellular subscriptions (per 100 people)	0.2	16.8	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.1	0.6	1.7
Households with a television (%)	6	12	..
Usage			
International voice traffic (minutes per person per month)	0.3	0.9	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.9	4.6
Quality			
Population covered by mobile cellular network (%)	22	61	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	26.5	7.2
International Internet bandwidth (bits per second per person)	0	15	24
Affordability			
Residential fixed line tariff (\$ a month)	..	10.3	9.0
Mobile cellular prepaid tariff (\$ a month)	..	16.9	10.0
Fixed broadband Internet access tariff (\$ a month)	..	1,861.0	102.4
Trade			
ICT goods exports (% of total goods exports)	0.9	0.3	2.5
ICT goods imports (% of total goods imports)	4.2	5.1	6.3
ICT service exports (% of total service exports)	7.2	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.19	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Burundi

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	6	8	976
Urban population (% of total)	8	10	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	120	140	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.7	2.9	5.8
Adult literacy rate (% ages 15 and older)	59	66	69
Gross primary, secondary, and tertiary enrollment (%)	30	55	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	3.1	3.1
Mobile and fixed-line subscribers per employee	65	492	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.4	4.6
Mobile cellular subscriptions (per 100 people)	0.3	6.0	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.1	0.9	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.1	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.8	4.6
Quality			
Population covered by mobile cellular network (%)	..	80	56
Fixed broadband Internet subscribers (% of total subscribers)	..	3.2	7.2
International Internet bandwidth (bits per second per person)	0	2	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	0.8	2.5
ICT goods imports (% of total goods imports)	..	8.3	6.3
ICT service exports (% of total service exports)	0.0	0.0	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.01	0.11
Secure Internet servers (per million people)	..	0.2	0.5

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	13	15	976
Urban population (% of total)	17	22	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	640	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	7.3	9.8	5.8
Adult literacy rate (% ages 15 and older)	67	77	69
Gross primary, secondary, and tertiary enrollment (%)	50	57	53
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>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)	0.6	0.4	3.1
Mobile and fixed-line subscribers per employee	241	1,712	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.3	4.6
Mobile cellular subscriptions (per 100 people)	1.0	29.1	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.1	0.4	1.7
Households with a television (%)	33	63	..
Usage			
International voice traffic (minutes per person per month)	0.3	0.8	..
Mobile telephone usage (minutes per user per month)	..	34	..
Internet users (per 100 people)	0.0	0.5	4.6
Quality			
Population covered by mobile cellular network (%)	80	87	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	92.2	7.2
International Internet bandwidth (bits per second per person)	0	19	24
Affordability			
Residential fixed line tariff (\$ a month)	..	8.0	9.0
Mobile cellular prepaid tariff (\$ a month)	..	5.0	10.0
Fixed broadband Internet access tariff (\$ a month)	..	90.6	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	2.5
ICT goods imports (% of total goods imports)	2.4	2.1	6.3
ICT service exports (% of total service exports)	..	2.8	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.20	0.11
Secure Internet servers (per million people)	0.2	1.5	0.5

Cameroon

Sub-Saharan Africa	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
	t		
Population (millions)	16	19	3,703
Urban population (% of total)	50	57	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	1,150	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.8	3.5	8.3
Adult literacy rate (% ages 15 and older)	68	76	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 and fixed-line subscribers per employee	90	1,050	685
Telecommunications investment (% of revenue)	62.8	37.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.0	13.6
Mobile cellular subscriptions (per 100 people)	0.7	32.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	5.6
Personal computers (per 100 people)	0.3	1.1	4.5
Households with a television (%)	..	23	..
Usage			
International voice traffic (minutes per person per month)	0.5	0.3	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.3	3.8	13.9
Quality			
Population covered by mobile cellular network (%)	37	58	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.7	40.4
International Internet bandwidth (bits per second per person)	0	8	153
Affordability			
Residential fixed line tariff (\$ a month)	..	14.8	4.8
Mobile cellular prepaid tariff (\$ a month)	..	17.8	8.4
Fixed broadband Internet access tariff (\$ a month)	..	183.8	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	19.7
ICT goods imports (% of total goods imports)	3.0	3.2	17.0
ICT service exports (% of total service exports)	1.4	6.4	18.6
Applications			
ICT expenditure (% of GDP)	..	4.6	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.29
Secure Internet servers (per million people)	..	0.5	1.8

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	31	33	1,069
Urban population (% of total)	80	80	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	22,130	43,640	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.3	2.5	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	95	93	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.5	3.1
Mobile and fixed-line subscribers per employee	331	424	801
Telecommunications investment (% of revenue)	24.0	29.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	67.7	54.8	47.0
Mobile cellular subscriptions (per 100 people)	28.4	66.3	106.1
Fixed broadband Internet subscribers (per 100 people)	14.1	32.2	25.0
Personal computers (per 100 people)	41.9	94.3	67.8
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	36.6	..	14.0
Mobile telephone usage (minutes per user per month)	215	352	336
Internet users (per 100 people)	42.2	75.3	69.1
Quality			
Population covered by mobile cellular network (%)	90	98	99
Fixed broadband Internet subscribers (% of total subscribers)	32.6	91.9	89.0
International Internet bandwidth (bits per second per person)	1,133	16,193	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	32.8	27.0
Mobile cellular prepaid tariff (\$ a month)	..	19.2	16.1
Fixed broadband Internet access tariff (\$ a month)	..	19.8	29.8
Trade			
ICT goods exports (% of total goods exports)	8.2	3.8	11.7
ICT goods imports (% of total goods imports)	15.0	8.8	12.0
ICT service exports (% of total service exports)	9.5	10.4	7.3
Applications			
ICT expenditure (% of GDP)	..	6.6	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.77	0.59
Secure Internet servers (per million people)	162.6	983.9	715.4

Cape Verde

Sub-Saharan Africa	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.44	0.50	3,703
Urban population (% of total)	53	60	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,310	2,800	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.6	5.3	8.3
Adult literacy rate (% ages 15 and older)	..	84	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	3.8	3.0
Mobile and fixed-line subscribers per employee	154	665	685
Telecommunications investment (% of revenue)	35.3	19.1	22.6
Performance			
Access			
Telephone lines (per 100 people)	12.4	14.4	13.6
Mobile cellular subscriptions (per 100 people)	4.5	55.7	47.0
Fixed broadband Internet subscribers (per 100 people)	0.6	1.8	5.6
Personal computers (per 100 people)	5.7	14.0	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	6.8	8.4	..
Mobile telephone usage (minutes per user per month)	..	69	328
Internet users (per 100 people)	1.8	20.6	13.9
Quality			
Population covered by mobile cellular network (%)	90	96	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	80.1	40.4
International Internet bandwidth (bits per second per person)	2	311	153
Affordability			
Residential fixed line tariff (\$ a month)	..	8.5	4.8
Mobile cellular prepaid tariff (\$ a month)	..	20.0	8.4
Fixed broadband Internet access tariff (\$ a month)	..	39.8	31.4
Trade			
ICT goods exports (% of total goods exports)	2.4	1.2	19.7
ICT goods imports (% of total goods imports)	7.1	3.3	17.0
ICT service exports (% of total service exports)	9.8	5.1	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.29
Secure Internet servers (per million people)	..	11.9	1.8

Cayman Islands

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.04	0.05	1,069
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	2.3
Adult literacy rate (% ages 15 and older)	..	99	..
Gross primary, secondary, and tertiary enrollment (%)	81	78	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	170	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	87.1	70.0	47.0
Mobile cellular subscriptions (per 100 people)	26.6	84.0	106.1
Fixed broadband Internet subscribers (per 100 people)	..	..	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	140.7	134.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	..	42.4	69.1
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	..	..	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	266.0	1,364.1	715.4

Central African Republic

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	976
Urban population (% of total)	38	39	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	410	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	0.5	5.8
Adult literacy rate (% ages 15 and older)	49	55	69
Gross primary, secondary, and tertiary enrollment (%)	35	30	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.1	3.1
Mobile and fixed-line subscribers per employee	35	293	275
Telecommunications investment (% of revenue)	1.0	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.3	4.6
Mobile cellular subscriptions (per 100 people)	0.1	3.5	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.2	0.3	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.2	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.4	4.6
Quality			
Population covered by mobile cellular network (%)	18	19	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	0	24
Affordability			
Residential fixed line tariff (\$ a month)	..	10.6	9.0
Mobile cellular prepaid tariff (\$ a month)	..	12.6	10.0
Fixed broadband Internet access tariff (\$ a month)	..	1,395.8	102.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	2.5
ICT goods imports (% of total goods imports)	2.1	2.7	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.00	0.11
Secure Internet servers (per million people)	..	0.2	0.5

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	8	11	976
Urban population (% of total)	23	27	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	180	540	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.1	11.9	5.8
Adult literacy rate (% ages 15 and older)	26	33	69
Gross primary, secondary, and tertiary enrollment (%)	31	38	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>..</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	..	3.1
Mobile and fixed-line subscribers per employee	31	127	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.1	0.1	4.6
Mobile cellular subscriptions (per 100 people)	0.1	16.6	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	0.1	0.2	1.7
Households with a television (%)	..	3	..
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	1.2	4.6
Quality			
Population covered by mobile cellular network (%)	8	24	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	1	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.01	0.11
Secure Internet servers (per million people)	..	..	0.5

Channel Islands

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.15	0.15	1,069
Urban population (% of total)	31	31	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	43,010	68,610	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	0.5	2.3
Adult literacy rate (% ages 15 and older)
Gross primary, secondary, and tertiary enrollment (%)	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1
Mobile and fixed-line subscribers per employee	801
Telecommunications investment (% of revenue)	15.4
Performance			
Access			
Telephone lines (per 100 people)	47.0
Mobile cellular subscriptions (per 100 people)	106.1
Fixed broadband Internet subscribers (per 100 people)	25.0
Personal computers (per 100 people)	67.8
Households with a television (%)	98
Usage			
International voice traffic (minutes per person per month)	14.0
Mobile telephone usage (minutes per user per month)	336
Internet users (per 100 people)	69.1
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband Internet subscribers (% of total subscribers)	89.0
International Internet bandwidth (bits per second per person)	20,143
Affordability			
Residential fixed line tariff (\$ a month)	27.0
Mobile cellular prepaid tariff (\$ a month)	16.1
Fixed broadband Internet access tariff (\$ a month)	29.8
Trade			
ICT goods exports (% of total goods exports)	11.7
ICT goods imports (% of total goods imports)	12.0
ICT service exports (% of total service exports)	7.3
Applications			
ICT expenditure (% of GDP)	6.3
E-gov't Web measure index (0–1, 1=highest presence)	0.59
Secure Internet servers (per million people)	715.4

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	15	17	949
Urban population (% of total)	86	88	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,840	9,370	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.8	4.4	4.6
Adult literacy rate (% ages 15 and older)	96	99	93
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 and fixed-line subscribers per employee	315	592	559
Telecommunications investment (% of revenue)	44.0	..	..
Performance			
Access			
Telephone lines (per 100 people)	21.4	21.0	21.6
Mobile cellular subscriptions (per 100 people)	22.1	88.1	95.3
Fixed broadband Internet subscribers (per 100 people)	3.8	8.6	8.2
Personal computers (per 100 people)	9.2	14.1	11.5
Households with a television (%)	87	100	..
Usage			
International voice traffic (minutes per person per month)	2.7	2.9	..
Mobile telephone usage (minutes per user per month)	220	139	144
Internet users (per 100 people)	16.6	32.5	30.6
Quality			
Population covered by mobile cellular network (%)	100	100	94
Fixed broadband Internet subscribers (% of total subscribers)	1.3	99.2	81.8
International Internet bandwidth (bits per second per person)	12	4,076	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	27.0	11.7
Mobile cellular prepaid tariff (\$ a month)	..	13.7	9.9
Fixed broadband Internet access tariff (\$ a month)	..	53.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	10.1
ICT goods imports (% of total goods imports)	11.0	6.4	12.7
ICT service exports (% of total service exports)	5.9	2.5	5.2
Applications			
ICT expenditure (% of GDP)	..	5.1	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.56	0.36
Secure Internet servers (per million people)	9.0	39.1	28.2

China

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	1,263	1,325	3,703
Urban population (% of total)	36	43	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	930	2,940	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	8.5	10.4	8.3
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	2.9	3.0
Mobile and fixed-line subscribers per employee	222	1,310	685
Telecommunications investment (% of revenue)	69.8	32.0	22.6
Performance			
Access			
Telephone lines (per 100 people)	11.5	25.7	13.6
Mobile cellular subscriptions (per 100 people)	6.8	48.4	47.0
Fixed broadband Internet subscribers (per 100 people)	0.7	11.4	5.6
Personal computers (per 100 people)	1.6	5.7	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.3	0.8	..
Mobile telephone usage (minutes per user per month)	247	412	328
Internet users (per 100 people)	1.8	22.5	13.9
Quality			
Population covered by mobile cellular network (%)	..	97	77
Fixed broadband Internet subscribers (% of total subscribers)	0.3	44.2	40.4
International Internet bandwidth (bits per second per person)	2	483	153
Affordability			
Residential fixed line tariff (\$ a month)	..	3.7	4.8
Mobile cellular prepaid tariff (\$ a month)	..	3.6	8.4
Fixed broadband Internet access tariff (\$ a month)	..	18.5	31.4
Trade			
ICT goods exports (% of total goods exports)	18.9	27.5	19.7
ICT goods imports (% of total goods imports)	22.5	23.2	17.0
ICT service exports (% of total service exports)	5.6	5.3	18.6
Applications			
ICT expenditure (% of GDP)	..	6.0	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.51	0.29
Secure Internet servers (per million people)	0.1	1.2	1.8

Colombia

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	40	45	949
Urban population (% of total)	72	75	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,280	4,620	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.6	4.9	4.6
Adult literacy rate (% ages 15 and older)	..	93	93
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	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.7	3.3
Mobile and fixed-line subscribers per employee	242	..	559
Telecommunications investment (% of revenue)	54.6	..	..
Performance			
Access			
Telephone lines (per 100 people)	18.1	17.9	21.6
Mobile cellular subscriptions (per 100 people)	5.7	91.9	95.3
Fixed broadband Internet subscribers (per 100 people)	0.6	4.5	8.2
Personal computers (per 100 people)	3.8	11.2	11.5
Households with a television (%)	83	85	..
Usage			
International voice traffic (minutes per person per month)	1.9	11.8	..
Mobile telephone usage (minutes per user per month)	115	147	144
Internet users (per 100 people)	2.2	38.5	30.6
Quality			
Population covered by mobile cellular network (%)	..	83	94
Fixed broadband Internet subscribers (% of total subscribers)	3.7	94.0	81.8
International Internet bandwidth (bits per second per person)	16	2,233	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	7.6	11.7
Mobile cellular prepaid tariff (\$ a month)	..	9.6	9.9
Fixed broadband Internet access tariff (\$ a month)	..	36.3	26.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	10.1
ICT goods imports (% of total goods imports)	10.3	11.2	12.7
ICT service exports (% of total service exports)	9.1	7.3	5.2
Applications			
ICT expenditure (% of GDP)	..	4.7	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.56	0.36
Secure Internet servers (per million people)	1.8	12.1	28.2

Comoros

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.54	0.64	976
Urban population (% of total)	28	28	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	750	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.7	2.0	5.8
Adult literacy rate (% ages 15 and older)	68	74	69
Gross primary, secondary, and tertiary enrollment (%)	52	61	53
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	..	M	
Internet service	<i>M</i>	M	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	9.0	3.1
Mobile and fixed-line subscribers per employee	55	109	275
Telecommunications investment (% of revenue)	69.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.3	3.6	4.6
Mobile cellular subscriptions (per 100 people)	0.0	15.3	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	0.2	1.0
Personal computers (per 100 people)	0.6	0.9	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	2.0	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.3	3.6	4.6
Quality			
Population covered by mobile cellular network (%)	..	40	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	11	24
Affordability			
Residential fixed line tariff (\$ a month)	..	11.6	9.0
Mobile cellular prepaid tariff (\$ a month)	..	14.6	10.0
Fixed broadband Internet access tariff (\$ a month)	..	449.7	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.11
Secure Internet servers (per million people)	..	1.5	0.5

Congo, Dem. Rep.

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	51	64	976
Urban population (% of total)	30	34	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	80	150	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-3.8	5.2	5.8
Adult literacy rate (% ages 15 and older)	67	67	69
Gross primary, secondary, and tertiary enrollment (%)	27	51	53
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)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	..	..	4.6
Mobile cellular subscriptions (per 100 people)	..	..	28.5
Fixed broadband Internet subscribers (per 100 people)	..	..	1.0
Personal computers (per 100 people)	..	..	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	..	..	4.6
Quality			
Population covered by mobile cellular network (%)	..	..	56
Fixed broadband Internet subscribers (% of total subscribers)	..	..	7.2
International Internet bandwidth (bits per second per person)	..	..	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.11
Secure Internet servers (per million people)	..	0.1	0.5

Congo, Rep.

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	4	3,703
Urban population (% of total)	58	61	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	580	1,790	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.9	3.9	8.3
Adult literacy rate (% ages 15 and older)	..	..	80
Gross primary, secondary, and tertiary enrollment (%)	48	66	64
Structure			
Separate telecommunications regulator	..	<i>No</i>	
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 and fixed-line subscribers per employee	..	..	685
Telecommunications investment (% of revenue)	..	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	0.7	0.6	13.6
Mobile cellular subscriptions (per 100 people)	2.3	50.0	47.0
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	5.6
Personal computers (per 100 people)	0.4	0.6	4.5
Households with a television (%)	..	25	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	160	328
Internet users (per 100 people)	0.0	4.3	13.9
Quality			
Population covered by mobile cellular network (%)	17	53	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	0	0	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.29
Secure Internet servers (per million people)	..	0.5	1.8

Costa Rica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)		4	5
Urban population (% of total)		59	63
GNI per capita, <i>World Bank Atlas</i> method (\$)		3,700	6,060
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		5.7	5.4
Adult literacy rate (% ages 15 and older)		95	96
Gross primary, secondary, and tertiary enrollment (%)		66	73
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)		1.7	1.8
Mobile and fixed-line subscribers per employee		231	497
Telecommunications investment (% of revenue)		44.4	0.1
Performance			
Access			
Telephone lines (per 100 people)		22.9	31.8
Mobile cellular subscriptions (per 100 people)		5.4	41.7
Fixed broadband Internet subscribers (per 100 people)		0.9	4.1
Personal computers (per 100 people)		15.3	23.1
Households with a television (%)		83	94
Usage			
International voice traffic (minutes per person per month)		5.2	10.0
Mobile telephone usage (minutes per user per month)	
Internet users (per 100 people)		5.8	32.3
Quality			
Population covered by mobile cellular network (%)		..	69
Fixed broadband Internet subscribers (% of total subscribers)		0.0	58.5
International Internet bandwidth (bits per second per person)		91	857
Affordability			
Residential fixed line tariff (\$ a month)		..	4.6
Mobile cellular prepaid tariff (\$ a month)		..	4.5
Fixed broadband Internet access tariff (\$ a month)		..	17.0
Trade			
ICT goods exports (% of total goods exports)		31.7	23.8
ICT goods imports (% of total goods imports)		18.4	19.0
ICT service exports (% of total service exports)		7.9	17.9
Applications			
ICT expenditure (% of GDP)		..	6.2
E-gov't Web measure index (0–1, 1=highest presence)		..	0.44
Secure Internet servers (per million people)		13.9	98.3

Côte d'Ivoire

	Sub-Saharan Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	17	21	3,703
Urban population (% of total)	44	49	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	980	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.4	0.5	8.3
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 and fixed-line subscribers per employee	189	1,445	685
Telecommunications investment (% of revenue)	23.7	40.0	22.6
Performance			
Access			
Telephone lines (per 100 people)	1.5	1.7	13.6
Mobile cellular subscriptions (per 100 people)	2.7	50.7	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	5.6
Personal computers (per 100 people)	0.5	1.7	4.5
Households with a television (%)	29	38	..
Usage			
International voice traffic (minutes per person per month)	0.7	1.4	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.2	3.2	13.9
Quality			
Population covered by mobile cellular network (%)	23	59	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	6.9	40.4
International Internet bandwidth (bits per second per person)	0	40	153
Affordability			
Residential fixed line tariff (\$ a month)	..	22.8	4.8
Mobile cellular prepaid tariff (\$ a month)	..	14.8	8.4
Fixed broadband Internet access tariff (\$ a month)	..	46.5	31.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	19.7
ICT goods imports (% of total goods imports)	3.3	3.9	17.0
ICT service exports (% of total service exports)	8.2	11.0	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.29
Secure Internet servers (per million people)	..	0.6	1.8

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	1,069
Urban population (% of total)	56	57	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,170	13,580	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	4.5	2.3
Adult literacy rate (% ages 15 and older)	98	99	..
Gross primary, secondary, and tertiary enrollment (%)	70	79	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	4.6	3.1
Mobile and fixed-line subscribers per employee	178	892	801
Telecommunications investment (% of revenue)	14.7	15.5	15.4
Performance			
Access			
Telephone lines (per 100 people)	38.9	42.4	47.0
Mobile cellular subscriptions (per 100 people)	23.3	132.6	106.1
Fixed broadband Internet subscribers (per 100 people)	4.2	29.4	25.0
Personal computers (per 100 people)	11.3	18.0	67.8
Households with a television (%)	90	94	98
Usage			
International voice traffic (minutes per person per month)	13.8	19.1	14.0
Mobile telephone usage (minutes per user per month)	..	106	336
Internet users (per 100 people)	6.8	50.5	69.1
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	40.3	89.0
International Internet bandwidth (bits per second per person)	41	15,892	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	16.4	27.0
Mobile cellular prepaid tariff (\$ a month)	..	18.7	16.1
Fixed broadband Internet access tariff (\$ a month)	..	20.9	29.8
Trade			
ICT goods exports (% of total goods exports)	3.6	5.0	11.7
ICT goods imports (% of total goods imports)	6.1	6.1	12.0
ICT service exports (% of total service exports)	3.3	3.1	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.43	0.59
Secure Internet servers (per million people)	13.7	116.7	715.4

Cuba

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	11	11	949
Urban population (% of total)	76	76	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.2	3.4	4.6
Adult literacy rate (% ages 15 and older)	100	100	93
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)	2.2	2.6	3.3
Mobile and fixed-line subscribers per employee	30	58	559
Telecommunications investment (% of revenue)	16.0	7.5	..
Performance			
Access			
Telephone lines (per 100 people)	4.4	9.8	21.6
Mobile cellular subscriptions (per 100 people)	0.1	3.0	95.3
Fixed broadband Internet subscribers (per 100 people)	..	0.3	8.2
Personal computers (per 100 people)	1.2	5.6	11.5
Households with a television (%)	..	88	..
Usage			
International voice traffic (minutes per person per month)	2.4	2.6	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	0.5	12.9	30.6
Quality			
Population covered by mobile cellular network (%)	41	77	94
Fixed broadband Internet subscribers (% of total subscribers)	..	5.8	81.8
International Internet bandwidth (bits per second per person)	2	27	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	13.2	11.7
Mobile cellular prepaid tariff (\$ a month)	..	22.7	9.9
Fixed broadband Internet access tariff (\$ a month)	..	1,630.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.2	1.9	10.1
ICT goods imports (% of total goods imports)	5.3	2.9	12.7
ICT service exports (% of total service exports)	..	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.21	0.36
Secure Internet servers (per million people)	0.2	0.1	28.2

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.79	0.86	1,069
Urban population (% of total)	69	70	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	13,440	26,940	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.9	3.5	2.3
Adult literacy rate (% ages 15 and older)	97	98	..
Gross primary, secondary, and tertiary enrollment (%)	73	79	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	M	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	5.8	3.1
Mobile and fixed-line subscribers per employee	274	465	801
Telecommunications investment (% of revenue)	36.6	18.9	15.4
Performance			
Access			
Telephone lines (per 100 people)	55.9	45.1	47.0
Mobile cellular subscriptions (per 100 people)	27.8	117.9	106.1
Fixed broadband Internet subscribers (per 100 people)	6.6	18.5	25.0
Personal computers (per 100 people)	19.1	38.3	67.8
Households with a television (%)	..	100	98
Usage			
International voice traffic (minutes per person per month)	37.3	47.0	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	15.3	38.8	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	3.8	88.4	89.0
International Internet bandwidth (bits per second per person)	51	1,605	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	26.5	27.0
Mobile cellular prepaid tariff (\$ a month)	..	5.3	16.1
Fixed broadband Internet access tariff (\$ a month)	..	16.5	29.8
Trade			
ICT goods exports (% of total goods exports)	1.7	6.9	11.7
ICT goods imports (% of total goods imports)	7.2	4.9	12.0
ICT service exports (% of total service exports)	2.1	3.0	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.59
Secure Internet servers (per million people)	37.6	552.2	715.4

Czech Republic

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	10	10	1,069
Urban population (% of total)	74	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,800	16,650	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.0	4.6	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	74	85	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	3.8	3.1
Mobile and fixed-line subscribers per employee	349	812	801
Telecommunications investment (% of revenue)	47.1	10.5	15.4
Performance			
Access			
Telephone lines (per 100 people)	37.7	21.7	47.0
Mobile cellular subscriptions (per 100 people)	42.3	132.2	106.1
Fixed broadband Internet subscribers (per 100 people)	4.1	17.2	25.0
Personal computers (per 100 people)	12.2	27.4	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	6.4	11.3	14.0
Mobile telephone usage (minutes per user per month)	145	115	336
Internet users (per 100 people)	9.7	57.8	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.6	98.1	89.0
International Internet bandwidth (bits per second per person)	602	7,075	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	30.9	27.0
Mobile cellular prepaid tariff (\$ a month)	..	18.6	16.1
Fixed broadband Internet access tariff (\$ a month)	..	28.9	29.8
Trade			
ICT goods exports (% of total goods exports)	7.3	15.2	11.7
ICT goods imports (% of total goods imports)	12.1	15.2	12.0
ICT service exports (% of total service exports)	3.2	8.6	7.3
Applications			
ICT expenditure (% of GDP)	..	7.6	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.65	0.59
Secure Internet servers (per million people)	26.7	185.1	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	5	1,069
Urban population (% of total)	85	87	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	31,840	58,800	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.8	1.6	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	96	102	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Private</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.4	3.1
Mobile and fixed-line subscribers per employee	337	543	801
Telecommunications investment (% of revenue)	27.0	23.4	15.4
Performance			
Access			
Telephone lines (per 100 people)	71.9	45.3	47.0
Mobile cellular subscriptions (per 100 people)	63.0	124.9	106.1
Fixed broadband Internet subscribers (per 100 people)	31.6	38.9	25.0
Personal computers (per 100 people)	50.6	54.9	67.8
Households with a television (%)	..	98	98
Usage			
International voice traffic (minutes per person per month)	21.2	17.5	14.0
Mobile telephone usage (minutes per user per month)	122	202	336
Internet users (per 100 people)	39.2	83.3	69.1
Quality			
Population covered by mobile cellular network (%)	..	114	99
Fixed broadband Internet subscribers (% of total subscribers)	4.0	94.8	89.0
International Internet bandwidth (bits per second per person)	1,409	34,506	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	28.5	27.0
Mobile cellular prepaid tariff (\$ a month)	..	5.8	16.1
Fixed broadband Internet access tariff (\$ a month)	..	30.4	29.8
Trade			
ICT goods exports (% of total goods exports)	8.5	5.0	11.7
ICT goods imports (% of total goods imports)	13.3	8.1	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	5.0	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	1.00	0.59
Secure Internet servers (per million people)	73.9	1,166.8	715.4

Djibouti

Middle East & North Africa Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.73	0.85	3,703
Urban population (% of total)	83	87	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	760	1,130	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.2	3.5	8.3
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	6.1	3.0
Mobile and fixed-line subscribers per employee	19	158	685
Telecommunications investment (% of revenue)	10.1	7.3	22.6
Performance			
Access			
Telephone lines (per 100 people)	1.3	1.8	13.6
Mobile cellular subscriptions (per 100 people)	0.0	13.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.2	0.7	5.6
Personal computers (per 100 people)	0.9	3.8	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	1.9	4.0	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.2	2.3	13.9
Quality			
Population covered by mobile cellular network (%)	30	85	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	39.0	40.4
International Internet bandwidth (bits per second per person)	0	548	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	2.1	2.6	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11	0.29
Secure Internet servers (per million people)	..	4.6	1.8

Dominica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	0.07	0.07	949
Urban population (% of total)	71	74	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,200	4,750	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.2	2.6	4.6
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, and tertiary enrollment (%)	75	77	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	10.4	3.3
Mobile and fixed-line subscribers per employee	132	..	559
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.8	23.9	21.6
Mobile cellular subscriptions (per 100 people)	1.7	136.6	95.3
Fixed broadband Internet subscribers (per 100 people)	3.9	8.4	8.2
Personal computers (per 100 people)	7.7	18.2	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	8.4	37.6	30.6
Quality			
Population covered by mobile cellular network (%)	..	..	94
Fixed broadband Internet subscribers (% of total subscribers)	2.9	54.0	81.8
International Internet bandwidth (bits per second per person)	70	420	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	10.9	11.7
Mobile cellular prepaid tariff (\$ a month)	..	11.0	9.9
Fixed broadband Internet access tariff (\$ a month)	..	47.8	26.3
Trade			
ICT goods exports (% of total goods exports)	0.6	0.7	10.1
ICT goods imports (% of total goods imports)	7.4	4.4	12.7
ICT service exports (% of total service exports)	21.0	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.01	0.36
Secure Internet servers (per million people)	84.4	203.8	28.2

Dominican Republic

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	9	10	949
Urban population (% of total)	62	69	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,550	4,330	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	7.0	5.4	4.6
Adult literacy rate (% ages 15 and older)	87	88	93
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 and fixed-line subscribers per employee	99	..	559
Telecommunications investment (% of revenue)	..	192.0	..
Performance			
Access			
Telephone lines (per 100 people)	10.1	9.9	21.6
Mobile cellular subscriptions (per 100 people)	8.0	72.4	95.3
Fixed broadband Internet subscribers (per 100 people)	0.6	3.4	8.2
Personal computers (per 100 people)	1.9	2.1	11.5
Households with a television (%)	77	77	..
Usage			
International voice traffic (minutes per person per month)	14.4	..	..
Mobile telephone usage (minutes per user per month)	..	116	144
Internet users (per 100 people)	3.7	21.6	30.6
Quality			
Population covered by mobile cellular network (%)	..	90	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	66.4	81.8
International Internet bandwidth (bits per second per person)	6	1,407	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	14.4	11.7
Mobile cellular prepaid tariff (\$ a month)	..	9.1	9.9
Fixed broadband Internet access tariff (\$ a month)	..	28.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.4	6.0	10.1
ICT goods imports (% of total goods imports)	6.6	5.2	12.7
ICT service exports (% of total service exports)	3.9	3.5	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.51	0.36
Secure Internet servers (per million people)	0.9	14.2	28.2

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	12	13	3,703
Urban population (% of total)	60	66	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,340	3,690	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.7	5.0	8.3
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>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	4.1	3.0
Mobile and fixed-line subscribers per employee	244	513	685
Telecommunications investment (% of revenue)	9.8	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	9.9	14.1	13.6
Mobile cellular subscriptions (per 100 people)	3.9	85.6	47.0
Fixed broadband Internet subscribers (per 100 people)	0.5	2.1	5.6
Personal computers (per 100 people)	2.2	13.0	4.5
Households with a television (%)	..	90	..
Usage			
International voice traffic (minutes per person per month)	3.6	0.3	..
Mobile telephone usage (minutes per user per month)	65	81	328
Internet users (per 100 people)	1.5	28.8	13.9
Quality			
Population covered by mobile cellular network (%)	80	84	77
Fixed broadband Internet subscribers (% of total subscribers)	3.1	12.5	40.4
International Internet bandwidth (bits per second per person)	2	443	153
Affordability			
Residential fixed line tariff (\$ a month)	..	1.1	4.8
Mobile cellular prepaid tariff (\$ a month)	..	9.0	8.4
Fixed broadband Internet access tariff (\$ a month)	..	39.9	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	19.7
ICT goods imports (% of total goods imports)	6.4	8.2	17.0
ICT service exports (% of total service exports)	7.2	8.1	18.6
Applications			
ICT expenditure (% of GDP)	..	5.3	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.29
Secure Internet servers (per million people)	0.9	12.0	1.8

Egypt, Arab Rep.

Middle East & North Africa **Lower middle income**

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	70	82	3,703
Urban population (% of total)	43	43	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,390	1,800	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.2	4.7	8.3
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 and fixed-line subscribers per employee	125	856	685
Telecommunications investment (% of revenue)	18.8	48.1	22.6
Performance			
Access			
Telephone lines (per 100 people)	7.8	14.6	13.6
Mobile cellular subscriptions (per 100 people)	1.9	50.6	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	3.1	5.6
Personal computers (per 100 people)	1.1	3.9	4.5
Households with a television (%)	..	97	..
Usage			
International voice traffic (minutes per person per month)	1.0	2.2	..
Mobile telephone usage (minutes per user per month)	..	144	328
Internet users (per 100 people)	0.6	16.6	13.9
Quality			
Population covered by mobile cellular network (%)	..	95	77
Fixed broadband Internet subscribers (% of total subscribers)	..	30.7	40.4
International Internet bandwidth (bits per second per person)	0	332	153
Affordability			
Residential fixed line tariff (\$ a month)	..	3.0	4.8
Mobile cellular prepaid tariff (\$ a month)	..	4.7	8.4
Fixed broadband Internet access tariff (\$ a month)	..	8.3	31.4
Trade			
ICT goods exports (% of total goods exports)	..	1.8	19.7
ICT goods imports (% of total goods imports)	..	4.4	17.0
ICT service exports (% of total service exports)	3.4	7.3	18.6
Applications			
ICT expenditure (% of GDP)	..	5.7	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61	0.29
Secure Internet servers (per million people)	0.2	1.4	1.8

El Salvador

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	6	6	3,703
Urban population (% of total)	58	61	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,110	3,460	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.3	2.9	8.3
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 and fixed-line subscribers per employee	323	2,275	685
Telecommunications investment (% of revenue)	155.8	18.8	22.6
Performance			
Access			
Telephone lines (per 100 people)	10.5	17.6	13.6
Mobile cellular subscriptions (per 100 people)	12.5	113.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.9	2.1	5.6
Personal computers (per 100 people)	2.0	5.8	4.5
Households with a television (%)	..	78	..
Usage			
International voice traffic (minutes per person per month)	11.9	48.1	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.2	10.6	13.9
Quality			
Population covered by mobile cellular network (%)	85	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.0	40.4
International Internet bandwidth (bits per second per person)	7	33	153
Affordability			
Residential fixed line tariff (\$ a month)	..	10.4	4.8
Mobile cellular prepaid tariff (\$ a month)	..	10.5	8.4
Fixed broadband Internet access tariff (\$ a month)	..	18.0	31.4
Trade			
ICT goods exports (% of total goods exports)	0.1	2.5	19.7
ICT goods imports (% of total goods imports)	3.4	5.3	17.0
ICT service exports (% of total service exports)	12.9	10.2	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.58	0.29
Secure Internet servers (per million people)	1.2	11.8	1.8

Equatorial Guinea

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.53	0.66	1,069
Urban population (% of total)	39	39	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,250	14,980	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	36.0	18.9	2.3
Adult literacy rate (% ages 15 and older)	87	93	..
Gross primary, secondary, and tertiary enrollment (%)	55	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	..	<i>C</i>	
Internet service	<i>M</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	..	3.1
Mobile and fixed-line subscribers per employee	65	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	1.2	1.5	47.0
Mobile cellular subscriptions (per 100 people)	0.9	52.5	106.1
Fixed broadband Internet subscribers (per 100 people)	0.1	0.2	25.0
Personal computers (per 100 people)	0.4	1.5	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	0.1	1.8	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	15.0	89.0
International Internet bandwidth (bits per second per person)	0	28	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.59
Secure Internet servers (per million people)	..	1.5	715.4

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	5	976
Urban population (% of total)	18	21	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	300	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.5	1.3	5.8
Adult literacy rate (% ages 15 and older)	53	65	69
Gross primary, secondary, and tertiary enrollment (%)	29	31	53
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	3.1
Mobile and fixed-line subscribers per employee	67	117	275
Telecommunications investment (% of revenue)	127.5	70.0	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	0.8	4.6
Mobile cellular subscriptions (per 100 people)	0.0	2.2	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.2	1.0	1.7
Households with a television (%)	13	..	..
Usage			
International voice traffic (minutes per person per month)	0.5	1.4	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	4.1	4.6
Quality			
Population covered by mobile cellular network (%)	0	80	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	5	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	0.2	2.5
ICT goods imports (% of total goods imports)	..	5.2	6.3
ICT service exports (% of total service exports)	13.5	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	..	..	0.5

Estonia

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	1	1	1,069
Urban population (% of total)	69	69	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,220	14,570	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.5	7.4	2.3
Adult literacy rate (% ages 15 and older)	100	100	..
Gross primary, secondary, and tertiary enrollment (%)	88	90	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	4.5	3.1
Mobile and fixed-line subscribers per employee	354	742	801
Telecommunications investment (% of revenue)	17.6	13.3	15.4
Performance			
Access			
Telephone lines (per 100 people)	38.2	37.2	47.0
Mobile cellular subscriptions (per 100 people)	40.7	188.3	106.1
Fixed broadband Internet subscribers (per 100 people)	6.0	24.2	25.0
Personal computers (per 100 people)	16.1	25.5	67.8
Households with a television (%)	94	98	98
Usage			
International voice traffic (minutes per person per month)	10.7	9.1	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	28.6	66.2	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	18.0	98.0	89.0
International Internet bandwidth (bits per second per person)	137	126,802	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	13.7	27.0
Mobile cellular prepaid tariff (\$ a month)	..	13.6	16.1
Fixed broadband Internet access tariff (\$ a month)	..	38.5	29.8
Trade			
ICT goods exports (% of total goods exports)	26.1	6.5	11.7
ICT goods imports (% of total goods imports)	20.4	7.2	12.0
ICT service exports (% of total service exports)	2.8	7.1	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.71	0.59
Secure Internet servers (per million people)	58.6	315.0	715.4

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	66	81	976
Urban population (% of total)	15	17	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	130	280	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.5	8.2	5.8
Adult literacy rate (% ages 15 and older)	..	36	69
Gross primary, secondary, and tertiary enrollment (%)	29	53	53
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	3.1
Mobile and fixed-line subscribers per employee	35	233	275
Telecommunications investment (% of revenue)	42.6	21.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.1	4.6
Mobile cellular subscriptions (per 100 people)	0.0	2.4	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	0.1	0.7	1.7
Households with a television (%)	..	5	..
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.4	4.6
Quality			
Population covered by mobile cellular network (%)	..	10	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.2	7.2
International Internet bandwidth (bits per second per person)	0	3	24
Affordability			
Residential fixed line tariff (\$ a month)	..	1.5	9.0
Mobile cellular prepaid tariff (\$ a month)	..	3.1	10.0
Fixed broadband Internet access tariff (\$ a month)	..	644.0	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.5	2.5
ICT goods imports (% of total goods imports)	5.0	7.9	6.3
ICT service exports (% of total service exports)	3.6	3.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.11
Secure Internet servers (per million people)	0.0	0.1	0.5

Faeroe Islands

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.05	0.05	1,069
Urban population (% of total)	36	41	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.6	3.1
Mobile and fixed-line subscribers per employee	..	..	801
Telecommunications investment (% of revenue)	16.9	3.7	15.4
Performance			
Access			
Telephone lines (per 100 people)	..	..	47.0
Mobile cellular subscriptions (per 100 people)	..	..	106.1
Fixed broadband Internet subscribers (per 100 people)	14.0	31.7	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	..	..	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	..	..	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	0.0	11.7
ICT goods imports (% of total goods imports)	5.2	6.5	12.0
ICT service exports (% of total service exports)	1.8	2.8	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	21.5	62.2	715.4

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.80	0.84	949
Urban population (% of total)	48	52	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,260	4,010	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.2	1.4	4.6
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, and tertiary enrollment (%)	73	69	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>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.2	4.7	3.3
Mobile and fixed-line subscribers per employee	104	..	559
Telecommunications investment (% of revenue)	17.5	13.6	..
Performance			
Access			
Telephone lines (per 100 people)	10.8	15.3	21.6
Mobile cellular subscriptions (per 100 people)	6.9	71.1	95.3
Fixed broadband Internet subscribers (per 100 people)	0.4	1.6	8.2
Personal computers (per 100 people)	4.5	6.0	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	5.8	..	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	1.5	12.2	30.6
Quality			
Population covered by mobile cellular network (%)	40	65	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	83.3	81.8
International Internet bandwidth (bits per second per person)	5	150	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	9.9	11.7
Mobile cellular prepaid tariff (\$ a month)	..	13.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	26.1	26.3
Trade			
ICT goods exports (% of total goods exports)	0.1	0.8	10.1
ICT goods imports (% of total goods imports)	6.2	3.5	12.7
ICT service exports (% of total service exports)	5.7	2.7	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.36
Secure Internet servers (per million people)	5.0	28.3	28.2

Finland

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	5	1,069
Urban population (% of total)	61	63	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,470	47,600	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.9	3.0	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	104	101	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	2.3	3.1
Mobile and fixed-line subscribers per employee	272	708	801
Telecommunications investment (% of revenue)	20.3	10.2	15.4
Performance			
Access			
Telephone lines (per 100 people)	55.0	31.1	47.0
Mobile cellular subscriptions (per 100 people)	72.0	128.5	106.1
Fixed broadband Internet subscribers (per 100 people)	11.9	26.8	25.0
Personal computers (per 100 people)	39.6	50.0	67.8
Households with a television (%)	..	93	98
Usage			
International voice traffic (minutes per person per month)	14.9	..	14.0
Mobile telephone usage (minutes per user per month)	127	272	336
Internet users (per 100 people)	37.2	82.5	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	5.7	57.1	89.0
International Internet bandwidth (bits per second per person)	347	17,221	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	19.3	27.0
Mobile cellular prepaid tariff (\$ a month)	..	14.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	38.0	29.8
Trade			
ICT goods exports (% of total goods exports)	25.4	16.5	11.7
ICT goods imports (% of total goods imports)	18.6	12.0	12.0
ICT service exports (% of total service exports)	5.4	27.4	7.3
Applications			
ICT expenditure (% of GDP)	..	6.5	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.63	0.59
Secure Internet servers (per million people)	96.0	802.3	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions) ^a	59	62	1,069
Urban population (% of total)	76	77	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	24,450	42,000	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.9	1.8	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	92	95	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.0	3.1
Mobile and fixed-line subscribers per employee	408	695	801
Telecommunications investment (% of revenue)	26.5	14.0	15.4
Performance			
Access			
Telephone lines (per 100 people)	57.7	56.2	47.0
Mobile cellular subscriptions (per 100 people)	49.3	93.1	106.1
Fixed broadband Internet subscribers (per 100 people)	9.2	30.0	25.0
Personal computers (per 100 people)	30.4	65.2	67.8
Households with a television (%)	..	97	98
Usage			
International voice traffic (minutes per person per month)	14.4	20.2	14.0
Mobile telephone usage (minutes per user per month)	140	210	336
Internet users (per 100 people)	14.4	67.9	69.1
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	3.6	94.6	89.0
International Internet bandwidth (bits per second per person)	1,148	29,356	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	30.9	27.0
Mobile cellular prepaid tariff (\$ a month)	..	35.7	16.1
Fixed broadband Internet access tariff (\$ a month)	..	38.0	29.8
Trade			
ICT goods exports (% of total goods exports)	12.1	5.4	11.7
ICT goods imports (% of total goods imports)	13.0	7.2	12.0
ICT service exports (% of total service exports)	2.6	3.7	7.3
Applications			
ICT expenditure (% of GDP)	..	5.2	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.83	0.59
Secure Internet servers (per million people)	27.7	209.8	715.4

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

French Polynesia

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.24	0.27	1,069
Urban population (% of total)	52	52	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,080	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.5	..	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	..	3.1
Mobile and fixed-line subscribers per employee	..	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	..	..	47.0
Mobile cellular subscriptions (per 100 people)	..	..	106.1
Fixed broadband Internet subscribers (per 100 people)	3.0	10.8	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	..	..	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	..	..	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	1.1	1.1	11.7
ICT goods imports (% of total goods imports)	7.3	6.0	12.0
ICT service exports (% of total service exports)	0.3	1.8	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	16.7	74.3	715.4

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)		1	1 949
Urban population (% of total)		80	85 75
GNI per capita, <i>World Bank Atlas</i> method (\$)		3,080	7,320 7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		0.3	2.2 4.6
Adult literacy rate (% ages 15 and older)		..	87 93
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 and fixed-line subscribers per employee		150	244 559
Telecommunications investment (% of revenue)		41.8	12.4 ..
Performance			
Access			
Telephone lines (per 100 people)		3.2	1.8 21.6
Mobile cellular subscriptions (per 100 people)		9.7	89.8 95.3
Fixed broadband Internet subscribers (per 100 people)		0.4	0.8 8.2
Personal computers (per 100 people)		1.0	3.4 11.5
Households with a television (%)		50	.. ..
Usage			
International voice traffic (minutes per person per month)		3.7	5.8 ..
Mobile telephone usage (minutes per user per month)	 144
Internet users (per 100 people)		1.2	6.2 30.6
Quality			
Population covered by mobile cellular network (%)		13	79 94
Fixed broadband Internet subscribers (% of total subscribers)		0.0	18.3 81.8
International Internet bandwidth (bits per second per person)		0	141 1,281
Affordability			
Residential fixed line tariff (\$ a month)	 11.7
Mobile cellular prepaid tariff (\$ a month)	 9.9
Fixed broadband Internet access tariff (\$ a month)	 26.3
Trade			
ICT goods exports (% of total goods exports)		0.1	0.1 10.1
ICT goods imports (% of total goods imports)		7.9	6.6 12.7
ICT service exports (% of total service exports)		0.6	.. 5.2
Applications			
ICT expenditure (% of GDP)	 4.8
E-gov't Web measure index (0–1, 1=highest presence)		..	0.08 0.36
Secure Internet servers (per million people)		0.8	6.8 28.2

Gambia, The

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	1	2	976
Urban population (% of total)	49	56	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	330	400	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.6	5.1	5.8
Adult literacy rate (% ages 15 and older)	37	45	69
Gross primary, secondary, and tertiary enrollment (%)	51	55	53
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>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.4	..	3.1
Mobile and fixed-line subscribers per employee	41	466	275
Telecommunications investment (% of revenue)	23.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.6	2.9	4.6
Mobile cellular subscriptions (per 100 people)	0.4	70.2	28.5
Fixed broadband Internet subscribers (per 100 people)	0.3	0.2	1.0
Personal computers (per 100 people)	1.2	3.5	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.9	6.9	4.6
Quality			
Population covered by mobile cellular network (%)	20	85	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	7.6	7.2
International Internet bandwidth (bits per second per person)	0	38	24
Affordability			
Residential fixed line tariff (\$ a month)	..	4.0	9.0
Mobile cellular prepaid tariff (\$ a month)	..	6.0	10.0
Fixed broadband Internet access tariff (\$ a month)	..	383.8	102.4
Trade			
ICT goods exports (% of total goods exports)	0.5	2.9	2.5
ICT goods imports (% of total goods imports)	3.3	3.8	6.3
ICT service exports (% of total service exports)	..	10.4	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.11
Secure Internet servers (per million people)	..	2.9	0.5

Europe & Central Asia Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	4	3,703
Urban population (% of total)	53	53	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	700	2,500	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.6	8.1	8.3
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 and fixed-line subscribers per employee	69	355	685
Telecommunications investment (% of revenue)	65.4	30.9	22.6
Performance			
Access			
Telephone lines (per 100 people)	10.7	14.3	13.6
Mobile cellular subscriptions (per 100 people)	4.1	64.0	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	21.0	5.6
Personal computers (per 100 people)	2.4	27.2	4.5
Households with a television (%)	91	89	..
Usage			
International voice traffic (minutes per person per month)	2.4	3.7	..
Mobile telephone usage (minutes per user per month)	..	88	328
Internet users (per 100 people)	0.5	23.8	13.9
Quality			
Population covered by mobile cellular network (%)	79	98	77
Fixed broadband Internet subscribers (% of total subscribers)	25.2	10.6	40.4
International Internet bandwidth (bits per second per person)	2	752	153
Affordability			
Residential fixed line tariff (\$ a month)	..	7.3	4.8
Mobile cellular prepaid tariff (\$ a month)	..	8.5	8.4
Fixed broadband Internet access tariff (\$ a month)	..	47.6	31.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	19.7
ICT goods imports (% of total goods imports)	7.3	7.8	17.0
ICT service exports (% of total service exports)	..	2.2	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35	0.29
Secure Internet servers (per million people)	2.1	8.7	1.8

Germany

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	82	82	1,069
Urban population (% of total)	73	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,500	42,710	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.0	1.2	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.5	3.1
Mobile and fixed-line subscribers per employee	409	789	801
Telecommunications investment (% of revenue)	17.4	10.6	15.4
Performance			
Access			
Telephone lines (per 100 people)	61.1	62.6	47.0
Mobile cellular subscriptions (per 100 people)	58.6	128.5	106.1
Fixed broadband Internet subscribers (per 100 people)	15.8	24.3	25.0
Personal computers (per 100 people)	33.6	65.6	67.8
Households with a television (%)	95	95	98
Usage			
International voice traffic (minutes per person per month)	15.9	..	14.0
Mobile telephone usage (minutes per user per month)	70	101	336
Internet users (per 100 people)	30.2	75.5	69.1
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	54.0	89.0
International Internet bandwidth (bits per second per person)	848	25,654	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	28.8	27.0
Mobile cellular prepaid tariff (\$ a month)	..	10.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	38.1	29.8
Trade			
ICT goods exports (% of total goods exports)	10.5	6.9	11.7
ICT goods imports (% of total goods imports)	13.0	8.8	12.0
ICT service exports (% of total service exports)	6.3	8.3	7.3
Applications			
ICT expenditure (% of GDP)	..	5.4	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.58	0.59
Secure Internet servers (per million people)	62.6	640.5	715.4

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	20	23	976
Urban population (% of total)	44	50	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	330	630	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	5.6	5.8
Adult literacy rate (% ages 15 and older)	58	66	69
Gross primary, secondary, and tertiary enrollment (%)	47	59	53
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	..	3.1
Mobile and fixed-line subscribers per employee	91	1,780	275
Telecommunications investment (% of revenue)	29.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.1	0.6	4.6
Mobile cellular subscriptions (per 100 people)	0.7	49.6	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	1.0
Personal computers (per 100 people)	0.3	1.1	1.7
Households with a television (%)	..	26	..
Usage			
International voice traffic (minutes per person per month)	0.9	0.5	..
Mobile telephone usage (minutes per user per month)	50	85	..
Internet users (per 100 people)	0.2	4.3	4.6
Quality			
Population covered by mobile cellular network (%)	..	73	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	79.4	7.2
International Internet bandwidth (bits per second per person)	0	86	24
Affordability			
Residential fixed line tariff (\$ a month)	..	4.7	9.0
Mobile cellular prepaid tariff (\$ a month)	..	5.9	10.0
Fixed broadband Internet access tariff (\$ a month)	..	64.4	102.4
Trade			
ICT goods exports (% of total goods exports)	..	0.1	2.5
ICT goods imports (% of total goods imports)	..	7.3	6.3
ICT service exports (% of total service exports)	0.0	0.0	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.11
Secure Internet servers (per million people)	0.1	0.7	0.5

Greece

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	11	11	1,069
Urban population (% of total)	60	61	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	12,560	28,400	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.5	4.2	2.3
Adult literacy rate (% ages 15 and older)	96	97	..
Gross primary, secondary, and tertiary enrollment (%)	81	100	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.7	3.1
Mobile and fixed-line subscribers per employee	451	813	801
Telecommunications investment (% of revenue)	42.3	15.3	15.4
Performance			
Access			
Telephone lines (per 100 people)	51.8	53.2	47.0
Mobile cellular subscriptions (per 100 people)	54.3	122.8	106.1
Fixed broadband Internet subscribers (per 100 people)	2.5	15.5	25.0
Personal computers (per 100 people)	6.9	9.4	67.8
Households with a television (%)	..	100	98
Usage			
International voice traffic (minutes per person per month)	12.8	15.1	14.0
Mobile telephone usage (minutes per user per month)	89	151	336
Internet users (per 100 people)	9.2	43.1	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	86.4	89.0
International Internet bandwidth (bits per second per person)	51	4,537	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	26.7	27.0
Mobile cellular prepaid tariff (\$ a month)	..	25.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	25.2	29.8
Trade			
ICT goods exports (% of total goods exports)	4.4	3.2	11.7
ICT goods imports (% of total goods imports)	8.3	5.6	12.0
ICT service exports (% of total service exports)	1.8	1.7	7.3
Applications			
ICT expenditure (% of GDP)	..	4.5	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.59
Secure Internet servers (per million people)	10.6	79.2	715.4

Greenland

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.06	0.06	1,069
Urban population (% of total)	82	84	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,290	29,740	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.8	1.2	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	7.6	..	3.1
Mobile and fixed-line subscribers per employee	64	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	46.6	40.5	47.0
Mobile cellular subscriptions (per 100 people)	26.9	99.1	106.1
Fixed broadband Internet subscribers (per 100 people)	10.6	20.8	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	31.7	63.9	69.1
Quality			
Population covered by mobile cellular network (%)	..	90	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	89.0
International Internet bandwidth (bits per second per person)	107	1,768	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	11.7
ICT goods imports (% of total goods imports)	5.3	7.6	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	35.5	588.2	715.4

Grenada

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	0.10	0.10	949
Urban population (% of total)	31	31	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,870	5,880	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	7.4	2.3	4.6
Adult literacy rate (% ages 15 and older)	..	96	93
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>M</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 and fixed-line subscribers per employee	134	..	559
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.0	27.6	21.6
Mobile cellular subscriptions (per 100 people)	4.2	58.0	95.3
Fixed broadband Internet subscribers (per 100 people)	2.7	10.5	8.2
Personal computers (per 100 people)	11.9	15.7	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	54.1	54.1	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	4.1	23.2	30.6
Quality			
Population covered by mobile cellular network (%)	65	..	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	93.2	81.8
International Internet bandwidth (bits per second per person)	40	4,182	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	11.6	11.7
Mobile cellular prepaid tariff (\$ a month)	..	7.4	9.9
Fixed broadband Internet access tariff (\$ a month)	..	29.3	26.3
Trade			
ICT goods exports (% of total goods exports)	18.4	3.9	10.1
ICT goods imports (% of total goods imports)	6.8	5.3	12.7
ICT service exports (% of total service exports)	19.4	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.36
Secure Internet servers (per million people)	49.3	57.7	28.2

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.16	0.18	1,069
Urban population (% of total)	93	93	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	280	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	47.9	37.3	47.0
Mobile cellular subscriptions (per 100 people)	17.5	59.1	106.1
Fixed broadband Internet subscribers (per 100 people)	..	..	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	16.1	48.4	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	..	..	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	38.1	140.7	715.4

Guatemala

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	11	14	3,703
Urban population (% of total)	45	49	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,730	2,680	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.1	3.9	8.3
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	<i>C</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)	2.2	..	3.0
Mobile and fixed-line subscribers per employee	434	..	685
Telecommunications investment (% of revenue)	..	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	6.0	10.6	13.6
Mobile cellular subscriptions (per 100 people)	7.6	109.2	47.0
Fixed broadband Internet subscribers (per 100 people)	..	..	5.6
Personal computers (per 100 people)	1.2	2.1	4.5
Households with a television (%)	56	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.7	14.3	13.9
Quality			
Population covered by mobile cellular network (%)	54	76	77
Fixed broadband Internet subscribers (% of total subscribers)	..	..	40.4
International Internet bandwidth (bits per second per person)	1	186	153
Affordability			
Residential fixed line tariff (\$ a month)	..	8.7	4.8
Mobile cellular prepaid tariff (\$ a month)	..	4.5	8.4
Fixed broadband Internet access tariff (\$ a month)	..	34.0	31.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.5	19.7
ICT goods imports (% of total goods imports)	9.2	6.3	17.0
ICT service exports (% of total service exports)	0.5	16.1	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.47	0.29
Secure Internet servers (per million people)	1.0	8.8	1.8

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	8	10	976
Urban population (% of total)	31	34	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	360	350	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	3.2	5.8
Adult literacy rate (% ages 15 and older)	..	29	69
Gross primary, secondary, and tertiary enrollment (%)	30	51	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9	..	3.1
Mobile and fixed-line subscribers per employee	82	..	275
Telecommunications investment (% of revenue)	17.8	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.2	4.6
Mobile cellular subscriptions (per 100 people)	0.5	39.1	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.3	0.5	1.7
Households with a television (%)	9	11	..
Usage			
International voice traffic (minutes per person per month)	0.4	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.9	4.6
Quality			
Population covered by mobile cellular network (%)	..	80	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	0	24
Affordability			
Residential fixed line tariff (\$ a month)	..	3.4	9.0
Mobile cellular prepaid tariff (\$ a month)	..	3.5	10.0
Fixed broadband Internet access tariff (\$ a month)	..	800.0	102.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	2.5
ICT goods imports (% of total goods imports)	1.6	5.8	6.3
ICT service exports (% of total service exports)	2.2	11.2	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Guinea-Bissau

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	1	2	976
Urban population (% of total)	30	30	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	250	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-2.7	0.6	5.8
Adult literacy rate (% ages 15 and older)	41	51	69
Gross primary, secondary, and tertiary enrollment (%)	40	..	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	46	..	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.9	0.3	4.6
Mobile cellular subscriptions (per 100 people)	0.0	31.7	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	0.2	0.2	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.8	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	2.4	4.6
Quality			
Population covered by mobile cellular network (%)	..	65	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	1	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	0.0	2.5
ICT goods imports (% of total goods imports)	..	2.0	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.11
Secure Internet servers (per million people)	..	..	0.5

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.76	0.76	3,703
Urban population (% of total)	29	28	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	870	1,450	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.5	1.9	8.3
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 and fixed-line subscribers per employee	164	439	685
Telecommunications investment (% of revenue)	20.2	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	9.0	16.4	13.6
Mobile cellular subscriptions (per 100 people)	5.3	36.8	47.0
Fixed broadband Internet subscribers (per 100 people)	1.7	6.3	5.6
Personal computers (per 100 people)	2.9	3.8	4.5
Households with a television (%)	..	79	..
Usage			
International voice traffic (minutes per person per month)	7.9	9.6	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	6.6	26.9	13.9
Quality			
Population covered by mobile cellular network (%)	..	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	4.2	40.4
International Internet bandwidth (bits per second per person)	11	47	153
Affordability			
Residential fixed line tariff (\$ a month)	..	2.5	4.8
Mobile cellular prepaid tariff (\$ a month)	..	7.4	8.4
Fixed broadband Internet access tariff (\$ a month)	..	49.5	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	19.7
ICT goods imports (% of total goods imports)	3.7	3.3	17.0
ICT service exports (% of total service exports)	22.6	18.5	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24	0.29
Secure Internet servers (per million people)	..	7.9	1.8

Haiti

Latin America & Caribbean

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	9	10	976
Urban population (% of total)	36	47	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.5	0.5	5.8
Adult literacy rate (% ages 15 and older)	..	61	69
Gross primary, secondary, and tertiary enrollment (%)	..	..	53
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)	..	..	3.1
Mobile and fixed-line subscribers per employee	32	92	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.1	4.6
Mobile cellular subscriptions (per 100 people)	0.6	32.4	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	1.0	1.0
Personal computers (per 100 people)	0.1	5.1	1.7
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	10.1	4.6
Quality			
Population covered by mobile cellular network (%)	..	..	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	5	16	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	17.4	5.1	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	0.1	0.8	0.5

Honduras

Latin America & Caribbean Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	6	7	3,703
Urban population (% of total)	44	48	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	930	1,740	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.8	5.3	8.3
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>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>M</i>	
Mobile telephone service	<i>P</i>	<i>M</i>	
Internet service	<i>C</i>	..	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	7.1	3.0
Mobile and fixed-line subscribers per employee	107	391	685
Telecommunications investment (% of revenue)	16.2	67.1	22.6
Performance			
Access			
Telephone lines (per 100 people)	4.8	11.3	13.6
Mobile cellular subscriptions (per 100 people)	2.5	84.9	47.0
Fixed broadband Internet subscribers (per 100 people)	0.3	0.8	5.6
Personal computers (per 100 people)	1.1	2.5	4.5
Households with a television (%)	48	64	..
Usage			
International voice traffic (minutes per person per month)	3.9	3.2	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.2	13.1	13.9
Quality			
Population covered by mobile cellular network (%)	83	90	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	2	241	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	19.7
ICT goods imports (% of total goods imports)	0.5	6.4	17.0
ICT service exports (% of total service exports)	..	14.4	18.6
Applications			
ICT expenditure (% of GDP)	..	8.6	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.29
Secure Internet servers (per million people)	0.6	7.1	1.8

Hong Kong SAR, China

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	7	7	1,069
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	26,570	31,420	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.8	5.2	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	75	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	3.6	3.1
Mobile and fixed-line subscribers per employee	243	980	801
Telecommunications investment (% of revenue)	12.0	12.2	15.4
Performance			
Access			
Telephone lines (per 100 people)	58.9	58.8	47.0
Mobile cellular subscriptions (per 100 people)	81.7	166.0	106.1
Fixed broadband Internet subscribers (per 100 people)	40.0	42.0	25.0
Personal computers (per 100 people)	40.2	69.3	67.8
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	62.8	119.6	14.0
Mobile telephone usage (minutes per user per month)	353	459	336
Internet users (per 100 people)	27.8	67.0	69.1
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	16.7	66.9	89.0
International Internet bandwidth (bits per second per person)	627	548,318	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	11.3	27.0
Mobile cellular prepaid tariff (\$ a month)	..	2.6	16.1
Fixed broadband Internet access tariff (\$ a month)	..	25.4	29.8
Trade			
ICT goods exports (% of total goods exports)	27.3	42.6	11.7
ICT goods imports (% of total goods imports)	30.1	40.8	12.0
ICT service exports (% of total service exports)	1.0	1.3	7.3
Applications			
ICT expenditure (% of GDP)	..	9.2	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	80.1	349.6	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	10	10	1,069
Urban population (% of total)	65	68	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,660	12,810	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.2	3.6	2.3
Adult literacy rate (% ages 15 and older)	..	99	..
Gross primary, secondary, and tertiary enrollment (%)	80	90	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	P	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.7	3.8	3.1
Mobile and fixed-line subscribers per employee	330	1,127	801
Telecommunications investment (% of revenue)	16.9	9.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	37.2	30.8	47.0
Mobile cellular subscriptions (per 100 people)	30.1	121.8	106.1
Fixed broadband Internet subscribers (per 100 people)	2.2	17.7	25.0
Personal computers (per 100 people)	8.5	25.6	67.8
Households with a television (%)	95	99	98
Usage			
International voice traffic (minutes per person per month)	5.5	10.0	14.0
Mobile telephone usage (minutes per user per month)	181	161	336
Internet users (per 100 people)	7.0	58.5	69.1
Quality			
Population covered by mobile cellular network (%)	95	99	99
Fixed broadband Internet subscribers (% of total subscribers)	1.5	98.6	89.0
International Internet bandwidth (bits per second per person)	100	5,977	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	30.2	27.0
Mobile cellular prepaid tariff (\$ a month)	..	16.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	24.8	29.8
Trade			
ICT goods exports (% of total goods exports)	27.7	24.6	11.7
ICT goods imports (% of total goods imports)	23.7	18.8	12.0
ICT service exports (% of total service exports)	3.2	8.3	7.3
Applications			
ICT expenditure (% of GDP)	..	8.9	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.62	0.59
Secure Internet servers (per million people)	12.5	113.5	715.4

Iceland

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.28	0.32	1,069
Urban population (% of total)	92	92	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	30,820	40,450	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.0	4.5	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	90	96	92
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	3.1
Mobile and fixed-line subscribers per employee	298	401	801
Telecommunications investment (% of revenue)	33.6	19.5	15.4
Performance			
Access			
Telephone lines (per 100 people)	69.9	61.0	47.0
Mobile cellular subscriptions (per 100 people)	76.5	108.0	106.1
Fixed broadband Internet subscribers (per 100 people)	16.7	34.9	25.0
Personal computers (per 100 people)	39.1	52.7	67.8
Households with a television (%)	97	93	98
Usage			
International voice traffic (minutes per person per month)	36.8	21.0	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	44.5	90.0	69.1
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	5.0	93.7	89.0
International Internet bandwidth (bits per second per person)	157	7,061	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	24.1	27.0
Mobile cellular prepaid tariff (\$ a month)	..	14.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	57.0	29.8
Trade			
ICT goods exports (% of total goods exports)	0.6	0.4	11.7
ICT goods imports (% of total goods imports)	11.0	4.7	12.0
ICT service exports (% of total service exports)	3.8	4.4	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.46	0.59
Secure Internet servers (per million people)	301.8	1,688.5	715.4

South Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	1,016	1,140	3,703
Urban population (% of total)	28	30	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	450	1,040	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.9	7.9	8.3
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>	C	
Mobile telephone service	<i>P</i>	P	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	2.0	3.0
Mobile and fixed-line subscribers per employee	85	..	685
Telecommunications investment (% of revenue)	49.3	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	3.2	3.3	13.6
Mobile cellular subscriptions (per 100 people)	0.4	30.4	47.0
Fixed broadband Internet subscribers (per 100 people)	0.3	1.1	5.6
Personal computers (per 100 people)	0.5	3.3	4.5
Households with a television (%)	32	46	..
Usage			
International voice traffic (minutes per person per month)	0.2	..	..
Mobile telephone usage (minutes per user per month)	191	440	328
Internet users (per 100 people)	0.5	4.5	13.9
Quality			
Population covered by mobile cellular network (%)	21	61	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	41.1	40.4
International Internet bandwidth (bits per second per person)	1	32	153
Affordability			
Residential fixed line tariff (\$ a month)	..	3.5	4.8
Mobile cellular prepaid tariff (\$ a month)	..	1.6	8.4
Fixed broadband Internet access tariff (\$ a month)	..	6.1	31.4
Trade			
ICT goods exports (% of total goods exports)	1.4	1.3	19.7
ICT goods imports (% of total goods imports)	6.0	5.0	17.0
ICT service exports (% of total service exports)	31.9	50.3	18.6
Applications			
ICT expenditure (% of GDP)	..	4.5	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.29
Secure Internet servers (per million people)	0.1	1.6	1.8

Indonesia

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	205	227	3,703
Urban population (% of total)	42	51	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	580	1,880	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.6	5.2	8.3
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 and fixed-line subscribers per employee	259	1,095	685
Telecommunications investment (% of revenue)	11.4	28.3	22.6
Performance			
Access			
Telephone lines (per 100 people)	3.2	13.4	13.6
Mobile cellular subscriptions (per 100 people)	1.8	61.8	47.0
Fixed broadband Internet subscribers (per 100 people)	0.2	1.4	5.6
Personal computers (per 100 people)	1.0	2.0	4.5
Households with a television (%)	62	65	..
Usage			
International voice traffic (minutes per person per month)	0.3	0.4	..
Mobile telephone usage (minutes per user per month)	..	160	328
Internet users (per 100 people)	0.9	7.9	13.9
Quality			
Population covered by mobile cellular network (%)	89	90	77
Fixed broadband Internet subscribers (% of total subscribers)	1.0	9.4	40.4
International Internet bandwidth (bits per second per person)	1	120	153
Affordability			
Residential fixed line tariff (\$ a month)	..	4.5	4.8
Mobile cellular prepaid tariff (\$ a month)	..	5.3	8.4
Fixed broadband Internet access tariff (\$ a month)	..	21.7	31.4
Trade			
ICT goods exports (% of total goods exports)	12.6	4.6	19.7
ICT goods imports (% of total goods imports)	3.0	9.8	17.0
ICT service exports (% of total service exports)	..	8.4	18.6
Applications			
ICT expenditure (% of GDP)	..	3.3	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33	0.29
Secure Internet servers (per million people)	0.3	1.4	1.8

Iran, Islamic Rep.

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	64	72	3,703
Urban population (% of total)	64	68	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,670	3,540	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.7	5.9	8.3
Adult literacy rate (% ages 15 and older)	77	82	80
Gross primary, secondary, and tertiary enrollment (%)	72	77	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>M</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>P</i>	
Internet service	<i>M</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.4	3.0
Mobile and fixed-line subscribers per employee	221	913	685
Telecommunications investment (% of revenue)	6.0	74.5	22.6
Performance			
Access			
Telephone lines (per 100 people)	14.8	34.5	13.6
Mobile cellular subscriptions (per 100 people)	1.5	59.8	47.0
Fixed broadband Internet subscribers (per 100 people)	0.4	..	5.6
Personal computers (per 100 people)	6.3	10.6	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.6	0.7	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.0	32.0	13.9
Quality			
Population covered by mobile cellular network (%)	32	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.1	..	40.4
International Internet bandwidth (bits per second per person)	1	151	153
Affordability			
Residential fixed line tariff (\$ a month)	..	0.2	4.8
Mobile cellular prepaid tariff (\$ a month)	..	3.8	8.4
Fixed broadband Internet access tariff (\$ a month)	..	43.0	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	19.7
ICT goods imports (% of total goods imports)	5.5	1.9	17.0
ICT service exports (% of total service exports)	0.0	..	18.6
Applications			
ICT expenditure (% of GDP)	..	3.5	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26	0.29
Secure Internet servers (per million people)	0.0	0.3	1.8

Iraq

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	25	31	3,703
Urban population (% of total)	68	67	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	17.9	-11.4	8.3
Adult literacy rate (% ages 15 and older)	74	78	80
Gross primary, secondary, and tertiary enrollment (%)	54	61	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	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.0
Mobile and fixed-line subscribers per employee	..	1,098	685
Telecommunications investment (% of revenue)	..	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	2.7	3.5	13.6
Mobile cellular subscriptions (per 100 people)	0.0	57.1	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	0.0	5.6
Personal computers (per 100 people)	0.8	..	4.5
Households with a television (%)	..	88	..
Usage			
International voice traffic (minutes per person per month)	..	0.0	..
Mobile telephone usage (minutes per user per month)	..	186	328
Internet users (per 100 people)	0.0	1.0	13.9
Quality			
Population covered by mobile cellular network (%)	..	72	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.3	40.4
International Internet bandwidth (bits per second per person)	..	1	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	..	3.3	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11	0.29
Secure Internet servers (per million people)	..	0.1	1.8

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	1,069
Urban population (% of total)	59	61	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,170	49,770	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	9.7	5.0	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	92	100	92
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	3.1
Mobile and fixed-line subscribers per employee	246	406	801
Telecommunications investment (% of revenue)	14.3	7.1	15.4
Performance			
Access			
Telephone lines (per 100 people)	48.1	49.8	47.0
Mobile cellular subscriptions (per 100 people)	64.7	121.0	106.1
Fixed broadband Internet subscribers (per 100 people)	14.5	25.5	25.0
Personal computers (per 100 people)	35.7	58.2	67.8
Households with a television (%)	..	98	98
Usage			
International voice traffic (minutes per person per month)	59.1	..	14.0
Mobile telephone usage (minutes per user per month)	..	243	336
Internet users (per 100 people)	17.8	62.7	69.1
Quality			
Population covered by mobile cellular network (%)	98	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	79.0	89.0
International Internet bandwidth (bits per second per person)	241	15,261	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	42.2	27.0
Mobile cellular prepaid tariff (\$ a month)	..	18.7	16.1
Fixed broadband Internet access tariff (\$ a month)	..	38.1	29.8
Trade			
ICT goods exports (% of total goods exports)	34.5	16.3	11.7
ICT goods imports (% of total goods imports)	34.0	17.5	12.0
ICT service exports (% of total service exports)	45.5	34.4	7.3
Applications			
ICT expenditure (% of GDP)	..	4.6	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.68	0.59
Secure Internet servers (per million people)	90.5	736.7	715.4

Isle of Man

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.08	0.08	1,069
Urban population (% of total)	52	51	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,980	49,310	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	10.4	6.2	2.3
Adult literacy rate (% ages 15 and older)
Gross primary, secondary, and tertiary enrollment (%)	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1
Mobile and fixed-line subscribers per employee	801
Telecommunications investment (% of revenue)	15.4
Performance			
Access			
Telephone lines (per 100 people)	47.0
Mobile cellular subscriptions (per 100 people)	106.1
Fixed broadband Internet subscribers (per 100 people)	25.0
Personal computers (per 100 people)	67.8
Households with a television (%)	98
Usage			
International voice traffic (minutes per person per month)	14.0
Mobile telephone usage (minutes per user per month)	336
Internet users (per 100 people)	69.1
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband Internet subscribers (% of total subscribers)	89.0
International Internet bandwidth (bits per second per person)	20,143
Affordability			
Residential fixed line tariff (\$ a month)	27.0
Mobile cellular prepaid tariff (\$ a month)	16.1
Fixed broadband Internet access tariff (\$ a month)	29.8
Trade			
ICT goods exports (% of total goods exports)	11.7
ICT goods imports (% of total goods imports)	12.0
ICT service exports (% of total service exports)	7.3
Applications			
ICT expenditure (% of GDP)	6.3
E-gov't Web measure index (0–1, 1=highest presence)	0.59
Secure Internet servers (per million people)	77.4	410.0	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	6	7	1,069
Urban population (% of total)	91	92	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	17,840	24,720	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.6	3.5	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	88	91	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	..	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	1.1	3.1
Mobile and fixed-line subscribers per employee	618	692	801
Telecommunications investment (% of revenue)	16.1	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	47.3	44.1	47.0
Mobile cellular subscriptions (per 100 people)	70.0	122.9	106.1
Fixed broadband Internet subscribers (per 100 people)	12.8	23.5	25.0
Personal computers (per 100 people)	25.3	24.2	67.8
Households with a television (%)	93	93	98
Usage			
International voice traffic (minutes per person per month)	22.3	34.4	14.0
Mobile telephone usage (minutes per user per month)	361	355	336
Internet users (per 100 people)	20.2	47.9	69.1
Quality			
Population covered by mobile cellular network (%)	97	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.2	89.0
International Internet bandwidth (bits per second per person)	53	2,003	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	25.2	13.5	11.7
ICT goods imports (% of total goods imports)	16.4	9.1	12.0
ICT service exports (% of total service exports)	28.7	29.6	7.3
Applications			
ICT expenditure (% of GDP)	..	5.4	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.67	0.59
Secure Internet servers (per million people)	46.7	291.4	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	57	60	1,069
Urban population (% of total)	67	68	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,890	35,460	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.8	1.0	2.3
Adult literacy rate (% ages 15 and older)	98	99	..
Gross primary, secondary, and tertiary enrollment (%)	81	92	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.9	3.1
Mobile and fixed-line subscribers per employee	915	1,657	801
Telecommunications investment (% of revenue)	26.7	14.6	15.4
Performance			
Access			
Telephone lines (per 100 people)	47.7	35.5	47.0
Mobile cellular subscriptions (per 100 people)	74.2	151.0	106.1
Fixed broadband Internet subscribers (per 100 people)	10.2	34.3	25.0
Personal computers (per 100 people)	18.1	36.7	67.8
Households with a television (%)	95	94	98
Usage			
International voice traffic (minutes per person per month)	13.2	19.7	14.0
Mobile telephone usage (minutes per user per month)	116	126	336
Internet users (per 100 people)	23.2	41.8	69.1
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	55.0	89.0
International Internet bandwidth (bits per second per person)	168	12,989	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	27.4	27.0
Mobile cellular prepaid tariff (\$ a month)	..	17.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	25.8	29.8
Trade			
ICT goods exports (% of total goods exports)	5.3	2.8	11.7
ICT goods imports (% of total goods imports)	9.9	5.7	12.0
ICT service exports (% of total service exports)	3.0	3.0	7.3
Applications			
ICT expenditure (% of GDP)	..	4.9	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.51	0.59
Secure Internet servers (per million people)	18.3	109.2	715.4

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	3	3	949
Urban population (% of total)	52	53	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,310	4,800	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.5	1.8	4.6
Adult literacy rate (% ages 15 and older)	80	86	93
Gross primary, secondary, and tertiary enrollment (%)	75	80	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	C	P	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.3	1.4	3.3
Mobile and fixed-line subscribers per employee	268	678	559
Telecommunications investment (% of revenue)	32.5	31.2	..
Performance			
Access			
Telephone lines (per 100 people)	19.1	11.8	21.6
Mobile cellular subscriptions (per 100 people)	14.2	101.3	95.3
Fixed broadband Internet subscribers (per 100 people)	..	3.8	8.2
Personal computers (per 100 people)	4.6	6.8	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	12.9	3.3	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	3.1	57.3	30.6
Quality			
Population covered by mobile cellular network (%)	80	101	94
Fixed broadband Internet subscribers (% of total subscribers)	..	96.5	81.8
International Internet bandwidth (bits per second per person)	28	744	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	10.8	11.7
Mobile cellular prepaid tariff (\$ a month)	..	7.0	9.9
Fixed broadband Internet access tariff (\$ a month)	..	30.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	10.1
ICT goods imports (% of total goods imports)	5.7	3.9	12.7
ICT service exports (% of total service exports)	12.3	5.9	5.2
Applications			
ICT expenditure (% of GDP)	..	3.3	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32	0.36
Secure Internet servers (per million people)	1.9	35.5	28.2

Japan

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	127	128	1,069
Urban population (% of total)	65	66	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,620	38,130	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.6	1.6	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	83	87	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.0	3.1
Mobile and fixed-line subscribers per employee	830	12	801
Telecommunications investment (% of revenue)	26.8	13.1	15.4
Performance			
Access			
Telephone lines (per 100 people)	48.8	37.9	47.0
Mobile cellular subscriptions (per 100 people)	52.6	86.4	106.1
Fixed broadband Internet subscribers (per 100 people)	14.3	26.5	25.0
Personal computers (per 100 people)	31.5	40.7	67.8
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	2.5	3.9	14.0
Mobile telephone usage (minutes per user per month)	184	137	336
Internet users (per 100 people)	30.0	75.2	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	4.7	44.0	89.0
International Internet bandwidth (bits per second per person)	57	5,770	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	18.3	27.0
Mobile cellular prepaid tariff (\$ a month)	..	32.2	16.1
Fixed broadband Internet access tariff (\$ a month)	..	31.6	29.8
Trade			
ICT goods exports (% of total goods exports)	25.8	14.3	11.7
ICT goods imports (% of total goods imports)	17.6	10.3	12.0
ICT service exports (% of total service exports)	3.5	1.1	7.3
Applications			
ICT expenditure (% of GDP)	..	6.7	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.74	0.59
Secure Internet servers (per million people)	40.5	519.4	715.4

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		
	2000	2008	2008
Economic and social context			
Population (millions)	5	6	3,703
Urban population (% of total)	78	78	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,790	3,470	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.2	7.2	8.3
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	6.7	3.0
Mobile and fixed-line subscribers per employee	163	1,105	685
Telecommunications investment (% of revenue)	38.5	11.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	12.9	8.8	13.6
Mobile cellular subscriptions (per 100 people)	8.1	90.0	47.0
Fixed broadband Internet subscribers (per 100 people)	0.7	3.9	5.6
Personal computers (per 100 people)	3.1	7.5	4.5
Households with a television (%)	96	..	..
Usage			
International voice traffic (minutes per person per month)	6.7	5.5	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	2.7	27.0	13.9
Quality			
Population covered by mobile cellular network (%)	99	99	77
Fixed broadband Internet subscribers (% of total subscribers)	0.6	59.9	40.4
International Internet bandwidth (bits per second per person)	18	781	153
Affordability			
Residential fixed line tariff (\$ a month)	..	8.3	4.8
Mobile cellular prepaid tariff (\$ a month)	..	4.5	8.4
Fixed broadband Internet access tariff (\$ a month)	..	30.9	31.4
Trade			
ICT goods exports (% of total goods exports)	3.7	5.5	19.7
ICT goods imports (% of total goods imports)	5.9	7.2	17.0
ICT service exports (% of total service exports)	..	0.0	18.6
Applications			
ICT expenditure (% of GDP)	..	7.3	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61	0.29
Secure Internet servers (per million people)	0.4	11.8	1.8

Kazakhstan

Europe & Central Asia	Upper middle income		
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	15	16	949
Urban population (% of total)	56	58	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,260	6,160	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.9	9.5	4.6
Adult literacy rate (% ages 15 and older)	100	100	93
Gross primary, secondary, and tertiary enrollment (%)	79	91	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 and fixed-line subscribers per employee	66	253	559
Telecommunications investment (% of revenue)	26.7	22.5	..
Performance			
Access			
Telephone lines (per 100 people)	12.3	22.1	21.6
Mobile cellular subscriptions (per 100 people)	1.3	95.1	95.3
Fixed broadband Internet subscribers (per 100 people)	..	14.0	8.2
Personal computers (per 100 people)	..	..	11.5
Households with a television (%)	92	..	..
Usage			
International voice traffic (minutes per person per month)	1.6	3.9	..
Mobile telephone usage (minutes per user per month)	..	88	144
Internet users (per 100 people)	0.7	10.9	30.6
Quality			
Population covered by mobile cellular network (%)	94	94	94
Fixed broadband Internet subscribers (% of total subscribers)	..	30.1	81.8
International Internet bandwidth (bits per second per person)	1	702	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	..	11.7
Mobile cellular prepaid tariff (\$ a month)	..	..	9.9
Fixed broadband Internet access tariff (\$ a month)	..	..	26.3
Trade			
ICT goods exports (% of total goods exports)	0.6	0.1	10.1
ICT goods imports (% of total goods imports)	6.9	3.3	12.7
ICT service exports (% of total service exports)	3.4	2.4	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.32	0.36
Secure Internet servers (per million people)	0.5	3.3	28.2

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	31	39	976
Urban population (% of total)	20	22	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	420	730	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.2	4.5	5.8
Adult literacy rate (% ages 15 and older)	74	87	69
Gross primary, secondary, and tertiary enrollment (%)	53	59	53
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	6.3	3.1
Mobile and fixed-line subscribers per employee	21	2,298	275
Telecommunications investment (% of revenue)	88.5	38.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.9	0.6	4.6
Mobile cellular subscriptions (per 100 people)	0.4	42.1	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	1.1	1.0
Personal computers (per 100 people)	0.5	1.4	1.7
Households with a television (%)	..	19	..
Usage			
International voice traffic (minutes per person per month)	0.2	0.3	..
Mobile telephone usage (minutes per user per month)	..	52	..
Internet users (per 100 people)	0.3	8.7	4.6
Quality			
Population covered by mobile cellular network (%)	..	83	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.8	7.2
International Internet bandwidth (bits per second per person)	0	21	24
Affordability			
Residential fixed line tariff (\$ a month)	..	11.6	9.0
Mobile cellular prepaid tariff (\$ a month)	..	13.4	10.0
Fixed broadband Internet access tariff (\$ a month)	..	167.8	102.4
Trade			
ICT goods exports (% of total goods exports)	0.1	1.3	2.5
ICT goods imports (% of total goods imports)	5.3	6.2	6.3
ICT service exports (% of total service exports)	2.2	13.5	..
Applications			
ICT expenditure (% of GDP)	..	5.8	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.11
Secure Internet servers (per million people)	0.0	1.3	0.5

Kiribati

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.08	0.10	3,703
Urban population (% of total)	43	44	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,330	2,040	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.0	2.4	8.3
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)	6.4	..	3.0
Mobile and fixed-line subscribers per employee	28	..	685
Telecommunications investment (% of revenue)	..	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	4.0	4.1	13.6
Mobile cellular subscriptions (per 100 people)	0.4	1.0	47.0
Fixed broadband Internet subscribers (per 100 people)	0.6	..	5.6
Personal computers (per 100 people)	1.0	1.1	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	2.2	..	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.8	2.1	13.9
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	2	..	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	1.6	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.29
Secure Internet servers (per million people)	..	..	1.8

Korea, Dem. Rep.

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	23	24	976
Urban population (% of total)	60	63	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	5.8
Adult literacy rate (% ages 15 and older)	..	..	69
Gross primary, secondary, and tertiary enrollment (%)	..	..	53
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.2	5.0	4.6
Mobile cellular subscriptions (per 100 people)	0.0	0.0	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	..	..	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.0	4.6
Quality			
Population covered by mobile cellular network (%)	0	0	56
Fixed broadband Internet subscribers (% of total subscribers)	..	..	7.2
International Internet bandwidth (bits per second per person)	0	0	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.02	0.11
Secure Internet servers (per million people)	..	0.0	0.5

Korea, Rep.

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	47	49	1,069
Urban population (% of total)	80	81	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,910	21,530	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.5	4.5	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	92	99	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</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	4.7	3.1
Mobile and fixed-line subscribers per employee	758	657	801
Telecommunications investment (% of revenue)	37.4	14.3	15.4
Performance			
Access			
Telephone lines (per 100 people)	55.0	43.9	47.0
Mobile cellular subscriptions (per 100 people)	57.0	93.8	106.1
Fixed broadband Internet subscribers (per 100 people)	10.9	31.8	25.0
Personal computers (per 100 people)	39.6	57.6	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	3.2	2.8	14.0
Mobile telephone usage (minutes per user per month)	149	218	336
Internet users (per 100 people)	40.5	75.8	69.1
Quality			
Population covered by mobile cellular network (%)	99	94	99
Fixed broadband Internet subscribers (% of total subscribers)	75.5	100.0	89.0
International Internet bandwidth (bits per second per person)	48	4,528	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	6.4	27.0
Mobile cellular prepaid tariff (\$ a month)	..	14.6	16.1
Fixed broadband Internet access tariff (\$ a month)	..	20.3	29.8
Trade			
ICT goods exports (% of total goods exports)	35.7	26.2	11.7
ICT goods imports (% of total goods imports)	24.4	15.2	12.0
ICT service exports (% of total service exports)	1.3	1.3	7.3
Applications			
ICT expenditure (% of GDP)	..	9.1	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.82	0.59
Secure Internet servers (per million people)	7.3	927.1	715.4

Europe & Central Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	2	2	3,703
Urban population (% of total)	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	8.3
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 and fixed-line subscribers per employee	685
Telecommunications investment (% of revenue)	22.6
Performance			
Access			
Telephone lines (per 100 people)	13.6
Mobile cellular subscriptions (per 100 people)	47.0
Fixed broadband Internet subscribers (per 100 people)	5.6
Personal computers (per 100 people)	4.5
Households with a television (%)
Usage			
International voice traffic (minutes per person per month)
Mobile telephone usage (minutes per user per month)	..	56	328
Internet users (per 100 people)	13.9
Quality			
Population covered by mobile cellular network (%)	77
Fixed broadband Internet subscribers (% of total subscribers)	40.4
International Internet bandwidth (bits per second per person)	153
Affordability			
Residential fixed line tariff (\$ a month)	4.8
Mobile cellular prepaid tariff (\$ a month)	8.4
Fixed broadband Internet access tariff (\$ a month)	31.4
Trade			
ICT goods exports (% of total goods exports)	19.7
ICT goods imports (% of total goods imports)	17.0
ICT service exports (% of total service exports)	18.6
Applications			
ICT expenditure (% of GDP)	5.5
E-gov't Web measure index (0–1, 1=highest presence)	0.29
Secure Internet servers (per million people)	1.8

Kuwait

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	2	3	1,069
Urban population (% of total)	98	98	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,790	43,930	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.8	8.4	2.3
Adult literacy rate (% ages 15 and older)	..	94	..
Gross primary, secondary, and tertiary enrollment (%)	78	74	92
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	3.1
Mobile and fixed-line subscribers per employee	123	372	801
Telecommunications investment (% of revenue)	19.7	27.0	15.4
Performance			
Access			
Telephone lines (per 100 people)	21.3	19.8	47.0
Mobile cellular subscriptions (per 100 people)	21.7	106.6	106.1
Fixed broadband Internet subscribers (per 100 people)	..	11.2	25.0
Personal computers (per 100 people)	11.4	23.7	67.8
Households with a television (%)	100	..	98
Usage			
International voice traffic (minutes per person per month)	13.5	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	6.8	36.7	69.1
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	..	8.8	89.0
International Internet bandwidth (bits per second per person)	26	871	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	9.3	27.0
Mobile cellular prepaid tariff (\$ a month)	..	7.9	16.1
Fixed broadband Internet access tariff (\$ a month)	..	46.3	29.8
Trade			
ICT goods exports (% of total goods exports)	..	0.3	11.7
ICT goods imports (% of total goods imports)	..	6.0	12.0
ICT service exports (% of total service exports)	..	45.9	7.3
Applications			
ICT expenditure (% of GDP)	..	3.2	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.59
Secure Internet servers (per million people)	1.8	85.2	715.4

Kyrgyz Republic

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	5	976
Urban population (% of total)	35	36	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	780	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.4	4.4	5.8
Adult literacy rate (% ages 15 and older)	99	99	69
Gross primary, secondary, and tertiary enrollment (%)	76	77	53
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	3.1
Mobile and fixed-line subscribers per employee	53	311	275
Telecommunications investment (% of revenue)	8.0	3.2	..
Performance			
Access			
Telephone lines (per 100 people)	7.7	9.4	4.6
Mobile cellular subscriptions (per 100 people)	0.2	64.3	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	0.7	1.0
Personal computers (per 100 people)	0.5	1.9	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	1.0	2.5	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	1.0	16.1	4.6
Quality			
Population covered by mobile cellular network (%)	..	24	56
Fixed broadband Internet subscribers (% of total subscribers)	0.8	12.7	7.2
International Internet bandwidth (bits per second per person)	2	113	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	0.8	0.8	2.5
ICT goods imports (% of total goods imports)	4.6	5.1	6.3
ICT service exports (% of total service exports)	15.7	2.0	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.11
Secure Internet servers (per million people)	0.4	0.9	0.5

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	6	976
Urban population (% of total)	22	31	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	760	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.1	6.9	5.8
Adult literacy rate (% ages 15 and older)	70	73	69
Gross primary, secondary, and tertiary enrollment (%)	55	59	53
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	3.1
Mobile and fixed-line subscribers per employee	47	748	275
Telecommunications investment (% of revenue)	31.3	63.0	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	2.1	4.6
Mobile cellular subscriptions (per 100 people)	0.2	32.6	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.3	1.7	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.4	0.5	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	8.5	4.6
Quality			
Population covered by mobile cellular network (%)	..	55	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	84.3	7.2
International Internet bandwidth (bits per second per person)	0	129	24
Affordability			
Residential fixed line tariff (\$ a month)	..	3.9	9.0
Mobile cellular prepaid tariff (\$ a month)	..	3.0	10.0
Fixed broadband Internet access tariff (\$ a month)	..	268.3	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.11
Secure Internet servers (per million people)	..	0.5	0.5

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	2	2	949
Urban population (% of total)	68	68	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,220	11,860	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.7	8.2	4.6
Adult literacy rate (% ages 15 and older)	100	100	93
Gross primary, secondary, and tertiary enrollment (%)	84	93	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>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	4.0	3.3
Mobile and fixed-line subscribers per employee	263	697	559
Telecommunications investment (% of revenue)	20.9	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.0	28.4	21.6
Mobile cellular subscriptions (per 100 people)	16.9	98.6	95.3
Fixed broadband Internet subscribers (per 100 people)	1.4	6.4	8.2
Personal computers (per 100 people)	14.3	32.7	11.5
Households with a television (%)	..	99	..
Usage			
International voice traffic (minutes per person per month)	5.1	5.6	..
Mobile telephone usage (minutes per user per month)	..	176	144
Internet users (per 100 people)	6.3	60.4	30.6
Quality			
Population covered by mobile cellular network (%)	89	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.8	100.1	81.8
International Internet bandwidth (bits per second per person)	65	3,537	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	11.9	11.7
Mobile cellular prepaid tariff (\$ a month)	..	7.3	9.9
Fixed broadband Internet access tariff (\$ a month)	..	26.0	26.3
Trade			
ICT goods exports (% of total goods exports)	1.7	5.1	10.1
ICT goods imports (% of total goods imports)	7.7	6.6	12.7
ICT service exports (% of total service exports)	3.5	5.2	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.45	0.36
Secure Internet servers (per million people)	18.2	114.4	28.2

Lebanon

	Middle East & North Africa		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	949
Urban population (% of total)	86	87	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,690	6,780	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.2	4.0	4.6
Adult literacy rate (% ages 15 and older)	..	90	93
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 and fixed-line subscribers per employee	210	..	559
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	15.3	17.9	21.6
Mobile cellular subscriptions (per 100 people)	19.7	34.0	95.3
Fixed broadband Internet subscribers (per 100 people)	2.2	7.5	8.2
Personal computers (per 100 people)	4.6	10.2	11.5
Households with a television (%)	..	97	..
Usage			
International voice traffic (minutes per person per month)	9.0	22.9	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	8.0	22.5	30.6
Quality			
Population covered by mobile cellular network (%)	..	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	67.0	81.8
International Internet bandwidth (bits per second per person)	10	223	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	10.9	11.7
Mobile cellular prepaid tariff (\$ a month)	..	22.2	9.9
Fixed broadband Internet access tariff (\$ a month)	..	23.0	26.3
Trade			
ICT goods exports (% of total goods exports)	1.6	1.9	10.1
ICT goods imports (% of total goods imports)	4.5	3.6	12.7
ICT service exports (% of total service exports)	1.4	1.9	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.36
Secure Internet servers (per million people)	5.0	15.4	28.2

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	2	2	3,703
Urban population (% of total)	20	25	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	570	1,060	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.5	3.9	8.3
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 and fixed-line subscribers per employee	126	1,111	685
Telecommunications investment (% of revenue)	9.8	20.9	22.6
Performance			
Access			
Telephone lines (per 100 people)	1.2	3.2	13.6
Mobile cellular subscriptions (per 100 people)	1.1	28.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	5.6
Personal computers (per 100 people)	0.1	0.3	4.5
Households with a television (%)	12	13	..
Usage			
International voice traffic (minutes per person per month)	..	1.5	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.2	3.6	13.9
Quality			
Population covered by mobile cellular network (%)	21	55	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.8	40.4
International Internet bandwidth (bits per second per person)	0	5	153
Affordability			
Residential fixed line tariff (\$ a month)	..	12.5	4.8
Mobile cellular prepaid tariff (\$ a month)	..	12.6	8.4
Fixed broadband Internet access tariff (\$ a month)	..	48.9	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.34	0.29
Secure Internet servers (per million people)	..	0.5	1.8

Liberia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	4	976
Urban population (% of total)	54	60	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	140	170	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	38.9	-1.1	5.8
Adult literacy rate (% ages 15 and older)	..	58	69
Gross primary, secondary, and tertiary enrollment (%)	65	..	53
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	3.1
Mobile and fixed-line subscribers per employee	..	..	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.1	4.6
Mobile cellular subscriptions (per 100 people)	0.1	19.3	28.5
Fixed broadband Internet subscribers (per 100 people)	..	0.4	1.0
Personal computers (per 100 people)	..	..	1.7
Households with a television (%)	..	7	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	29	..
Internet users (per 100 people)	0.0	0.5	4.6
Quality			
Population covered by mobile cellular network (%)	..	16	56
Fixed broadband Internet subscribers (% of total subscribers)	..	..	7.2
International Internet bandwidth (bits per second per person)	0	..	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11	0.11
Secure Internet servers (per million people)	..	0.3	0.5

	Middle East & North Africa		Upper middle income
			Upper middle-income group
	Country data		
	2000	2008	2008
Economic and social context			
Population (millions)	5	6	949
Urban population (% of total)	76	78	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,610	12,380	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	5.6	4.6
Adult literacy rate (% ages 15 and older)	..	88	93
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 and fixed-line subscribers per employee	46	1,717	559
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	11.3	16.4	21.6
Mobile cellular subscriptions (per 100 people)	0.7	76.7	95.3
Fixed broadband Internet subscribers (per 100 people)	..	1.4	8.2
Personal computers (per 100 people)	2.4	2.2	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	5.5	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	0.2	5.1	30.6
Quality			
Population covered by mobile cellular network (%)	..	71	94
Fixed broadband Internet subscribers (% of total subscribers)	..	11.7	81.8
International Internet bandwidth (bits per second per person)	0	50	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	..	11.7
Mobile cellular prepaid tariff (\$ a month)	..	..	9.9
Fixed broadband Internet access tariff (\$ a month)	..	..	26.3
Trade			
ICT goods exports (% of total goods exports)	..	..	10.1
ICT goods imports (% of total goods imports)	..	..	12.7
ICT service exports (% of total service exports)	2.3	2.5	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.08	0.36
Secure Internet servers (per million people)	..	1.1	28.2

Liechtenstein

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.03	0.04	1,069
Urban population (% of total)	15	14	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	79,640	97,990	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	7.4	1.6	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	86	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	..	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	P	
Mobile telephone service	..	P	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	1.4	3.1
Mobile and fixed-line subscribers per employee	301	369	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	61.1	55.0	47.0
Mobile cellular subscriptions (per 100 people)	30.4	95.4	106.1
Fixed broadband Internet subscribers (per 100 people)	24.3	47.3	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	251.0	173.2	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	36.5	66.0	69.1
Quality			
Population covered by mobile cellular network (%)	90	95	99
Fixed broadband Internet subscribers (% of total subscribers)	10.3	83.8	89.0
International Internet bandwidth (bits per second per person)	..	4,210	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.19	0.59
Secure Internet servers (per million people)	541.4	3,480.8	715.4

	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	3	949
Urban population (% of total)	67	67	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,190	11,870	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.3	7.7	4.6
Adult literacy rate (% ages 15 and older)	100	100	93
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 and fixed-line subscribers per employee	283	402	559
Telecommunications investment (% of revenue)	49.8	14.5	..
Performance			
Access			
Telephone lines (per 100 people)	33.9	23.4	21.6
Mobile cellular subscriptions (per 100 people)	15.0	149.6	95.3
Fixed broadband Internet subscribers (per 100 people)	1.5	17.7	8.2
Personal computers (per 100 people)	6.9	24.2	11.5
Households with a television (%)	..	98	..
Usage			
International voice traffic (minutes per person per month)	3.6	4.7	..
Mobile telephone usage (minutes per user per month)	..	134	144
Internet users (per 100 people)	6.4	54.4	30.6
Quality			
Population covered by mobile cellular network (%)	100	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	99.4	81.8
International Internet bandwidth (bits per second per person)	14	9,751	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	15.0	11.7
Mobile cellular prepaid tariff (\$ a month)	..	8.7	9.9
Fixed broadband Internet access tariff (\$ a month)	..	15.9	26.3
Trade			
ICT goods exports (% of total goods exports)	5.2	3.2	10.1
ICT goods imports (% of total goods imports)	5.6	5.1	12.7
ICT service exports (% of total service exports)	4.8	3.1	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61	0.36
Secure Internet servers (per million people)	12.4	121.2	28.2

Luxembourg

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.44	0.49	1,069
Urban population (% of total)	84	82	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	43,650	69,390	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.3	4.0	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	75	75	92
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	1.4	3.1
Mobile and fixed-line subscribers per employee	622	691	801
Telecommunications investment (% of revenue)	20.3	23.9	15.4
Performance			
Access			
Telephone lines (per 100 people)	57.0	53.3	47.0
Mobile cellular subscriptions (per 100 people)	69.5	144.7	106.1
Fixed broadband Internet subscribers (per 100 people)	5.6	31.9	25.0
Personal computers (per 100 people)	45.8	67.3	67.8
Households with a television (%)	93	100	98
Usage			
International voice traffic (minutes per person per month)	..	97.7	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	22.9	79.2	69.1
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	91.7	89.0
International Internet bandwidth (bits per second per person)	690	7,162,591	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	31.3	27.0
Mobile cellular prepaid tariff (\$ a month)	..	14.0	16.1
Fixed broadband Internet access tariff (\$ a month)	..	44.3	29.8
Trade			
ICT goods exports (% of total goods exports)	14.9	4.7	11.7
ICT goods imports (% of total goods imports)	12.7	4.9	12.0
ICT service exports (% of total service exports)	4.2	5.9	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61	0.59
Secure Internet servers (per million people)	120.0	1,077.5	715.4

Macao SAR, China

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.44	0.53	1,069
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,340	35,360	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-1.1	15.2	2.3
Adult literacy rate (% ages 15 and older)	91	93	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.2	3.1
Mobile and fixed-line subscribers per employee	317	821	801
Telecommunications investment (% of revenue)	14.1	15.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	40.1	33.4	47.0
Mobile cellular subscriptions (per 100 people)	32.0	177.2	106.1
Fixed broadband Internet subscribers (per 100 people)	6.3	23.6	25.0
Personal computers (per 100 people)	15.9	38.4	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	48.4	26.3	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	13.6	49.2	69.1
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	13.5	97.6	89.0
International Internet bandwidth (bits per second per person)	240	8,467	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	9.1	27.0
Mobile cellular prepaid tariff (\$ a month)	..	2.8	16.1
Fixed broadband Internet access tariff (\$ a month)	..	10.0	29.8
Trade			
ICT goods exports (% of total goods exports)	4.3	5.1	11.7
ICT goods imports (% of total goods imports)	7.2	10.4	12.0
ICT service exports (% of total service exports)	0.9	0.6	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	17.8	133.8	715.4

Macedonia, FYR

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	2	2	949
Urban population (% of total)	63	67	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,840	4,130	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	3.2	4.6
Adult literacy rate (% ages 15 and older)	96	97	93
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 and fixed-line subscribers per employee	168	1,065	559
Telecommunications investment (% of revenue)	26.7	31.2	..
Performance			
Access			
Telephone lines (per 100 people)	25.2	22.4	21.6
Mobile cellular subscriptions (per 100 people)	5.8	122.6	95.3
Fixed broadband Internet subscribers (per 100 people)	1.5	14.1	8.2
Personal computers (per 100 people)	3.6	36.8	11.5
Households with a television (%)	..	99	..
Usage			
International voice traffic (minutes per person per month)	9.9	13.2	..
Mobile telephone usage (minutes per user per month)	..	95	144
Internet users (per 100 people)	2.5	41.5	30.6
Quality			
Population covered by mobile cellular network (%)	90	100	94
Fixed broadband Internet subscribers (% of total subscribers)	..	62.8	81.8
International Internet bandwidth (bits per second per person)	25	17	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	8.7	11.7
Mobile cellular prepaid tariff (\$ a month)	..	13.2	9.9
Fixed broadband Internet access tariff (\$ a month)	..	14.7	26.3
Trade			
ICT goods exports (% of total goods exports)	0.3	0.4	10.1
ICT goods imports (% of total goods imports)	4.4	5.0	12.7
ICT service exports (% of total service exports)	12.7	12.9	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.36	0.36
Secure Internet servers (per million people)	..	16.6	28.2

Madagascar

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	15	19	976
Urban population (% of total)	27	30	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	420	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.9	3.8	5.8
Adult literacy rate (% ages 15 and older)	71	..	69
Gross primary, secondary, and tertiary enrollment (%)	45	66	53
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	3.1
Mobile and fixed-line subscribers per employee	44	2,427	275
Telecommunications investment (% of revenue)	14.0	32.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.9	4.6
Mobile cellular subscriptions (per 100 people)	0.4	25.3	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	1.0
Personal computers (per 100 people)	0.2	0.6	1.7
Households with a television (%)	..	18	..
Usage			
International voice traffic (minutes per person per month)	0.2	0.1	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.7	4.6
Quality			
Population covered by mobile cellular network (%)	21	23	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	32.6	7.2
International Internet bandwidth (bits per second per person)	0	8	24
Affordability			
Residential fixed line tariff (\$ a month)	..	18.3	9.0
Mobile cellular prepaid tariff (\$ a month)	..	12.4	10.0
Fixed broadband Internet access tariff (\$ a month)	..	120.1	102.4
Trade			
ICT goods exports (% of total goods exports)	0.9	0.3	2.5
ICT goods imports (% of total goods imports)	3.4	4.2	6.3
ICT service exports (% of total service exports)	..	0.5	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24	0.11
Secure Internet servers (per million people)	..	0.4	0.5

Malawi

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	12	15	976
Urban population (% of total)	15	19	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	150	280	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.8	4.2	5.8
Adult literacy rate (% ages 15 and older)	64	73	69
Gross primary, secondary, and tertiary enrollment (%)	68	59	53
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>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	3.4	3.1
Mobile and fixed-line subscribers per employee	33	..	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.2	4.6
Mobile cellular subscriptions (per 100 people)	0.4	12.0	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.7	1.0
Personal computers (per 100 people)	0.1	0.2	1.7
Households with a television (%)	3	5	..
Usage			
International voice traffic (minutes per person per month)	0.2	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	2.1	4.6
Quality			
Population covered by mobile cellular network (%)	20	93	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	3.2	7.2
International Internet bandwidth (bits per second per person)	0	5	24
Affordability			
Residential fixed line tariff (\$ a month)	..	3.3	9.0
Mobile cellular prepaid tariff (\$ a month)	..	12.0	10.0
Fixed broadband Internet access tariff (\$ a month)	..	900.0	102.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	2.5
ICT goods imports (% of total goods imports)	4.6	3.4	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22	0.11
Secure Internet servers (per million people)	..	0.3	0.5

	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	23	27	949
Urban population (% of total)	62	70	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,450	7,250	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.7	5.5	4.6
Adult literacy rate (% ages 15 and older)	89	92	93
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 and fixed-line subscribers per employee	394	571	559
Telecommunications investment (% of revenue)	27.7	22.5	..
Performance			
Access			
Telephone lines (per 100 people)	19.9	15.9	21.6
Mobile cellular subscriptions (per 100 people)	22.0	102.6	95.3
Fixed broadband Internet subscribers (per 100 people)	7.1	19.3	8.2
Personal computers (per 100 people)	9.5	23.1	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	5.2	..	..
Mobile telephone usage (minutes per user per month)	204	197	144
Internet users (per 100 people)	21.4	55.8	30.6
Quality			
Population covered by mobile cellular network (%)	95	92	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	25.5	81.8
International Internet bandwidth (bits per second per person)	23	2,374	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	5.1	11.7
Mobile cellular prepaid tariff (\$ a month)	..	5.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	20.5	26.3
Trade			
ICT goods exports (% of total goods exports)	56.6	26.2	10.1
ICT goods imports (% of total goods imports)	45.8	25.3	12.7
ICT service exports (% of total service exports)	1.9	5.4	5.2
Applications			
ICT expenditure (% of GDP)	..	9.7	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.68	0.36
Secure Internet servers (per million people)	6.1	33.6	28.2

Maldives

South Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.27	0.31	3,703
Urban population (% of total)	28	38	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,150	3,640	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	8.5	6.9	8.3
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 and fixed-line subscribers per employee	60	353	685
Telecommunications investment (% of revenue)	21.6	15.2	22.6
Performance			
Access			
Telephone lines (per 100 people)	9.0	15.4	13.6
Mobile cellular subscriptions (per 100 people)	2.8	142.8	47.0
Fixed broadband Internet subscribers (per 100 people)	0.4	5.9	5.6
Personal computers (per 100 people)	3.7	20.2	4.5
Households with a television (%)	57	85	..
Usage			
International voice traffic (minutes per person per month)	3.9	7.7	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	2.2	23.5	13.9
Quality			
Population covered by mobile cellular network (%)	40	100	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	87.9	40.4
International Internet bandwidth (bits per second per person)	11	2,662	153
Affordability			
Residential fixed line tariff (\$ a month)	..	4.1	4.8
Mobile cellular prepaid tariff (\$ a month)	..	3.4	8.4
Fixed broadband Internet access tariff (\$ a month)	..	9.4	31.4
Trade			
ICT goods exports (% of total goods exports)	..	0.2	19.7
ICT goods imports (% of total goods imports)	6.1	6.6	17.0
ICT service exports (% of total service exports)	..	0.0	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.29
Secure Internet servers (per million people)	..	32.3	1.8

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	11	13	976
Urban population (% of total)	28	32	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	580	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.5	5.2	5.8
Adult literacy rate (% ages 15 and older)	19	26	69
Gross primary, secondary, and tertiary enrollment (%)	31	50	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	4.3	3.1
Mobile and fixed-line subscribers per employee	37	2,059	275
Telecommunications investment (% of revenue)	28.1	30.2	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.6	4.6
Mobile cellular subscriptions (per 100 people)	0.1	27.1	28.5
Fixed broadband Internet subscribers (per 100 people)	..	0.1	1.0
Personal computers (per 100 people)	0.1	0.8	1.7
Households with a television (%)	14	22	..
Usage			
International voice traffic (minutes per person per month)	0.6	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.6	4.6
Quality			
Population covered by mobile cellular network (%)	15	22	56
Fixed broadband Internet subscribers (% of total subscribers)	..	52.1	7.2
International Internet bandwidth (bits per second per person)	0	51	24
Affordability			
Residential fixed line tariff (\$ a month)	..	9.9	9.0
Mobile cellular prepaid tariff (\$ a month)	..	10.0	10.0
Fixed broadband Internet access tariff (\$ a month)	..	58.2	102.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	2.5
ICT goods imports (% of total goods imports)	3.5	3.6	6.3
ICT service exports (% of total service exports)	6.2	15.7	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.11
Secure Internet servers (per million people)	0.1	0.5	0.5

Malta

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.39	0.41	1,069
Urban population (% of total)	92	94	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,670	16,690	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	1.6	2.3
Adult literacy rate (% ages 15 and older)	..	92	..
Gross primary, secondary, and tertiary enrollment (%)	76	78	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>M</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	4.6	3.1
Mobile and fixed-line subscribers per employee	161	350	801
Telecommunications investment (% of revenue)	23.0	15.1	15.4
Performance			
Access			
Telephone lines (per 100 people)	52.4	58.5	47.0
Mobile cellular subscriptions (per 100 people)	29.3	93.6	106.1
Fixed broadband Internet subscribers (per 100 people)	8.8	25.0	25.0
Personal computers (per 100 people)	20.5	..	67.8
Households with a television (%)	98	99	98
Usage			
International voice traffic (minutes per person per month)	21.3	18.5	14.0
Mobile telephone usage (minutes per user per month)	..	104	336
Internet users (per 100 people)	13.1	48.3	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	4.8	98.1	89.0
International Internet bandwidth (bits per second per person)	87	7,549	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	10.9	27.0
Mobile cellular prepaid tariff (\$ a month)	..	11.3	16.1
Fixed broadband Internet access tariff (\$ a month)	..	21.1	29.8
Trade			
ICT goods exports (% of total goods exports)	64.2	44.9	11.7
ICT goods imports (% of total goods imports)	44.9	20.8	12.0
ICT service exports (% of total service exports)	2.5	3.4	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.73	0.59
Secure Internet servers (per million people)	58.5	985.8	715.4

Marshall Islands

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	0.05	0.06	3,703
Urban population (% of total)	68	71	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,420	3,270	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-3.7	2.9	8.3
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>	Mixed	
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 and fixed-line subscribers per employee	44	46	685
Telecommunications investment (% of revenue)	..	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	7.8	7.4	13.6
Mobile cellular subscriptions (per 100 people)	0.9	1.7	47.0
Fixed broadband Internet subscribers (per 100 people)	0.8	1.3	5.6
Personal computers (per 100 people)	3.9	9.1	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	5.8	7.0	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.6	3.7	13.9
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	40.4
International Internet bandwidth (bits per second per person)	10	29	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.29
Secure Internet servers (per million people)	..	33.5	1.8

Mauritania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	3	976
Urban population (% of total)	40	41	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	840	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.3	5.1	5.8
Adult literacy rate (% ages 15 and older)	51	57	69
Gross primary, secondary, and tertiary enrollment (%)	42	50	53
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>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	7.7	3.1
Mobile and fixed-line subscribers per employee	48	2,842	275
Telecommunications investment (% of revenue)	131.7	23.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.7	2.4	4.6
Mobile cellular subscriptions (per 100 people)	0.6	65.1	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.3	1.0
Personal computers (per 100 people)	1.0	4.5	1.7
Households with a television (%)	20	22	..
Usage			
International voice traffic (minutes per person per month)	1.6	0.3	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.9	4.6
Quality			
Population covered by mobile cellular network (%)	..	62	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	60.6	7.2
International Internet bandwidth (bits per second per person)	0	76	24
Affordability			
Residential fixed line tariff (\$ a month)	..	12.9	9.0
Mobile cellular prepaid tariff (\$ a month)	..	9.9	10.0
Fixed broadband Internet access tariff (\$ a month)	..	62.4	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	3.7	1.6	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	0.4	2.1	0.5

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)		1	1 949
Urban population (% of total)		43	42 75
GNI per capita, <i>World Bank Atlas</i> method (\$)		3,870	6,700 7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		5.5	3.7 4.6
Adult literacy rate (% ages 15 and older)		84	88 93
Gross primary, secondary, and tertiary enrollment (%)		68	73 82
Structure			
Separate telecommunications regulator		Yes	Yes
Status of main fixed-line telephone operator		..	Mixed
Level of competition (competition, partial comp., monopoly)			
International long distance service		M	C
Mobile telephone service		P	C
Internet service		M	C
Efficiency and capacity			
Telecommunications revenue (% of GDP)		3.2	3.6 3.3
Mobile and fixed-line subscribers per employee		251	492 559
Telecommunications investment (% of revenue)		37.6	332.6 ..
Performance			
Access			
Telephone lines (per 100 people)		23.7	28.7 21.6
Mobile cellular subscriptions (per 100 people)		15.2	81.4 95.3
Fixed broadband Internet subscribers (per 100 people)		2.9	15.7 8.2
Personal computers (per 100 people)		10.1	17.6 11.5
Households with a television (%)		93	96 ..
Usage			
International voice traffic (minutes per person per month)		6.0	8.3 ..
Mobile telephone usage (minutes per user per month)	 144
Internet users (per 100 people)		7.3	22.2 30.6
Quality			
Population covered by mobile cellular network (%)		100	99 94
Fixed broadband Internet subscribers (% of total subscribers)		0.0	46.0 81.8
International Internet bandwidth (bits per second per person)		5	364 1,281
Affordability			
Residential fixed line tariff (\$ a month)		..	5.5 11.7
Mobile cellular prepaid tariff (\$ a month)		..	4.4 9.9
Fixed broadband Internet access tariff (\$ a month)		..	50.6 26.3
Trade			
ICT goods exports (% of total goods exports)		0.8	4.0 10.1
ICT goods imports (% of total goods imports)		6.1	5.9 12.7
ICT service exports (% of total service exports)		1.8	3.6 5.2
Applications			
ICT expenditure (% of GDP)	 4.8
E-gov't Web measure index (0–1, 1=highest presence)		..	0.47 0.36
Secure Internet servers (per million people)		10.0	61.9 28.2

Mayotte

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	0.16	0.19	949
Urban population (% of total)	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.6
Adult literacy rate (% ages 15 and older)	93
Gross primary, secondary, and tertiary enrollment (%)	82
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3
Mobile and fixed-line subscribers per employee	372	..	559
Telecommunications investment (% of revenue)	0.0	..	..
Performance			
Access			
Telephone lines (per 100 people)	6.2	5.2	21.6
Mobile cellular subscriptions (per 100 people)	12.7	28.0	95.3
Fixed broadband Internet subscribers (per 100 people)	8.2
Personal computers (per 100 people)	11.5
Households with a television (%)
Usage			
International voice traffic (minutes per person per month)
Mobile telephone usage (minutes per user per month)	144
Internet users (per 100 people)	30.6
Quality			
Population covered by mobile cellular network (%)	94
Fixed broadband Internet subscribers (% of total subscribers)	81.8
International Internet bandwidth (bits per second per person)	1,281
Affordability			
Residential fixed line tariff (\$ a month)	11.7
Mobile cellular prepaid tariff (\$ a month)	9.9
Fixed broadband Internet access tariff (\$ a month)	26.3
Trade			
ICT goods exports (% of total goods exports)	10.1
ICT goods imports (% of total goods imports)	12.7
ICT service exports (% of total service exports)	5.2
Applications			
ICT expenditure (% of GDP)	4.8
E-gov't Web measure index (0–1, 1=highest presence)	0.36
Secure Internet servers (per million people)	28.2

Latin America & Caribbean	Upper middle income		
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	98	106	949
Urban population (% of total)	75	77	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,110	9,990	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.4	2.7	4.6
Adult literacy rate (% ages 15 and older)	91	93	93
Gross primary, secondary, and tertiary enrollment (%)	72	80	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.7	3.3
Mobile and fixed-line subscribers per employee	375	840	559
Telecommunications investment (% of revenue)	41.5	13.4	..
Performance			
Access			
Telephone lines (per 100 people)	12.6	19.4	21.6
Mobile cellular subscriptions (per 100 people)	14.4	70.8	95.3
Fixed broadband Internet subscribers (per 100 people)	1.2	7.8	8.2
Personal computers (per 100 people)	5.8	14.4	11.5
Households with a television (%)	92	93	..
Usage			
International voice traffic (minutes per person per month)	6.6	14.5	..
Mobile telephone usage (minutes per user per month)	83	166	144
Internet users (per 100 people)	5.2	22.2	30.6
Quality			
Population covered by mobile cellular network (%)	86	100	94
Fixed broadband Internet subscribers (% of total subscribers)	1.3	91.8	81.8
International Internet bandwidth (bits per second per person)	9	285	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	22.3	11.7
Mobile cellular prepaid tariff (\$ a month)	..	15.0	9.9
Fixed broadband Internet access tariff (\$ a month)	..	37.0	26.3
Trade			
ICT goods exports (% of total goods exports)	23.0	20.9	10.1
ICT goods imports (% of total goods imports)	20.3	17.2	12.7
ICT service exports (% of total service exports)	8.8	2.3	5.2
Applications			
ICT expenditure (% of GDP)	..	4.6	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.71	0.36
Secure Internet servers (per million people)	2.6	17.2	28.2

Micronesia, Fed. Sts.

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.11	0.11	3,703
Urban population (% of total)	22	23	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,270	2,460	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.3	0.0	8.3
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>	M	
Mobile telephone service	<i>C</i>	C	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	5.3	3.0
Mobile and fixed-line subscribers per employee	74	238	685
Telecommunications investment (% of revenue)	4.9	13.2	22.6
Performance			
Access			
Telephone lines (per 100 people)	9.0	7.9	13.6
Mobile cellular subscriptions (per 100 people)	0.0	30.8	47.0
Fixed broadband Internet subscribers (per 100 people)	1.4	1.2	5.6
Personal computers (per 100 people)	1.3	5.5	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	5.2	6.8	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	3.7	14.5	13.9
Quality			
Population covered by mobile cellular network (%)	0	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	6.7	40.4
International Internet bandwidth (bits per second per person)	10	143	153
Affordability			
Residential fixed line tariff (\$ a month)	..	8.0	4.8
Mobile cellular prepaid tariff (\$ a month)	..	4.9	8.4
Fixed broadband Internet access tariff (\$ a month)	..	40.0	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.08	0.29
Secure Internet servers (per million people)	..	9.0	1.8

Europe & Central Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	3,703
Urban population (% of total)	45	42	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	370	1,500	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-2.6	6.3	8.3
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>	C	
Mobile telephone service	<i>C</i>	C	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	10.1	3.0
Mobile and fixed-line subscribers per employee	97	294	685
Telecommunications investment (% of revenue)	67.9	35.7	22.6
Performance			
Access			
Telephone lines (per 100 people)	14.2	30.7	13.6
Mobile cellular subscriptions (per 100 people)	3.4	66.7	47.0
Fixed broadband Internet subscribers (per 100 people)	0.3	4.3	5.6
Personal computers (per 100 people)	1.5	11.4	4.5
Households with a television (%)	83	82	..
Usage			
International voice traffic (minutes per person per month)	3.3	12.9	..
Mobile telephone usage (minutes per user per month)	..	113	328
Internet users (per 100 people)	1.3	23.4	13.9
Quality			
Population covered by mobile cellular network (%)	70	98	77
Fixed broadband Internet subscribers (% of total subscribers)	2.3	73.9	40.4
International Internet bandwidth (bits per second per person)	2	966	153
Affordability			
Residential fixed line tariff (\$ a month)	..	3.1	4.8
Mobile cellular prepaid tariff (\$ a month)	..	8.9	8.4
Fixed broadband Internet access tariff (\$ a month)	..	23.2	31.4
Trade			
ICT goods exports (% of total goods exports)	1.6	6.8	19.7
ICT goods imports (% of total goods imports)	5.5	3.4	17.0
ICT service exports (% of total service exports)	10.5	16.8	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.29
Secure Internet servers (per million people)	0.7	9.7	1.8

Monaco

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.03	0.03	1,069
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	..	..	47.0
Mobile cellular subscriptions (per 100 people)	..	..	106.1
Fixed broadband Internet subscribers (per 100 people)	..	..	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	..	..	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	..	..	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.38	0.59
Secure Internet servers (per million people)	248.8	1,554.3	715.4

Mongolia

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	2	3	3,703
Urban population (% of total)	57	57	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	410	1,670	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	7.8	8.3
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	6.0	3.0
Mobile and fixed-line subscribers per employee	60	393	685
Telecommunications investment (% of revenue)	4.7	20.9	22.6
Performance			
Access			
Telephone lines (per 100 people)	4.9	7.6	13.6
Mobile cellular subscriptions (per 100 people)	6.5	66.8	47.0
Fixed broadband Internet subscribers (per 100 people)	0.3	1.4	5.6
Personal computers (per 100 people)	1.3	24.6	4.5
Households with a television (%)	..	86	..
Usage			
International voice traffic (minutes per person per month)	0.8	0.4	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.3	12.5	13.9
Quality			
Population covered by mobile cellular network (%)	58	66	77
Fixed broadband Internet subscribers (% of total subscribers)	0.5	96.8	40.4
International Internet bandwidth (bits per second per person)	3	947	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	19.7
ICT goods imports (% of total goods imports)	6.8	5.1	17.0
ICT service exports (% of total service exports)	3.9	3.7	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.42	0.29
Secure Internet servers (per million people)	0.4	8.2	1.8

Montenegro

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	0.66	0.62	949
Urban population (% of total)	59	60	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,840	6,660	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-1.6	5.1	4.6
Adult literacy rate (% ages 15 and older)	93
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 and fixed-line subscribers per employee	559
Telecommunications investment (% of revenue)
Performance			
Access			
Telephone lines (per 100 people)	..	58.2	21.6
Mobile cellular subscriptions (per 100 people)	..	118.1	95.3
Fixed broadband Internet subscribers (per 100 people)	..	14.3	8.2
Personal computers (per 100 people)	11.5
Households with a television (%)	..	98	..
Usage			
International voice traffic (minutes per person per month)	..	6.7	..
Mobile telephone usage (minutes per user per month)	..	126	144
Internet users (per 100 people)	..	47.2	30.6
Quality			
Population covered by mobile cellular network (%)	..	99	94
Fixed broadband Internet subscribers (% of total subscribers)	..	29.1	81.8
International Internet bandwidth (bits per second per person)	..	1,208	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	4.1	11.7
Mobile cellular prepaid tariff (\$ a month)	..	6.7	9.9
Fixed broadband Internet access tariff (\$ a month)	..	21.3	26.3
Trade			
ICT goods exports (% of total goods exports)	10.1
ICT goods imports (% of total goods imports)	12.7
ICT service exports (% of total service exports)	5.2
Applications			
ICT expenditure (% of GDP)	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.37	0.36
Secure Internet servers (per million people)	..	19.2	28.2

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	29	32	3,703
Urban population (% of total)	53	56	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,310	2,520	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.4	5.0	8.3
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>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	5.1	3.0
Mobile and fixed-line subscribers per employee	260	821	685
Telecommunications investment (% of revenue)	50.7	20.3	22.6
Performance			
Access			
Telephone lines (per 100 people)	4.9	9.5	13.6
Mobile cellular subscriptions (per 100 people)	8.1	72.2	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	1.5	5.6
Personal computers (per 100 people)	1.2	5.7	4.5
Households with a television (%)	72	77	..
Usage			
International voice traffic (minutes per person per month)	..	1.8	..
Mobile telephone usage (minutes per user per month)	..	55	328
Internet users (per 100 people)	0.7	33.0	13.9
Quality			
Population covered by mobile cellular network (%)	95	98	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.9	40.4
International Internet bandwidth (bits per second per person)	4	795	153
Affordability			
Residential fixed line tariff (\$ a month)	..	27.4	4.8
Mobile cellular prepaid tariff (\$ a month)	..	22.2	8.4
Fixed broadband Internet access tariff (\$ a month)	..	20.0	31.4
Trade			
ICT goods exports (% of total goods exports)	7.4	5.7	19.7
ICT goods imports (% of total goods imports)	6.9	6.7	17.0
ICT service exports (% of total service exports)	..	5.9	18.6
Applications			
ICT expenditure (% of GDP)	..	12.5	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.21	0.29
Secure Internet servers (per million people)	0.2	1.9	1.8

Mozambique

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	18	22	976
Urban population (% of total)	31	37	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	230	380	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	8.1	8.0	5.8
Adult literacy rate (% ages 15 and older)	..	54	69
Gross primary, secondary, and tertiary enrollment (%)	37	52	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	1.2	3.1
Mobile and fixed-line subscribers per employee	60	605	275
Telecommunications investment (% of revenue)	49.6	24.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.3	4.6
Mobile cellular subscriptions (per 100 people)	0.3	19.7	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	..	1.0
Personal computers (per 100 people)	0.3	1.4	1.7
Households with a television (%)	5	9	..
Usage			
International voice traffic (minutes per person per month)	3.0	1.0	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.6	4.6
Quality			
Population covered by mobile cellular network (%)	..	44	56
Fixed broadband Internet subscribers (% of total subscribers)	..	..	7.2
International Internet bandwidth (bits per second per person)	0	3	24
Affordability			
Residential fixed line tariff (\$ a month)	..	17.7	9.0
Mobile cellular prepaid tariff (\$ a month)	..	10.1	10.0
Fixed broadband Internet access tariff (\$ a month)	..	100.1	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	2.5
ICT goods imports (% of total goods imports)	2.7	3.9	6.3
ICT service exports (% of total service exports)	3.2	6.1	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.11
Secure Internet servers (per million people)	..	0.3	0.5

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	47	50	976
Urban population (% of total)	28	33	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	8.1	13.0	5.8
Adult literacy rate (% ages 15 and older)	90	92	69
Gross primary, secondary, and tertiary enrollment (%)	49	56	53
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	<i>M</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.2	0.5	3.1
Mobile and fixed-line subscribers per employee	37	90	275
Telecommunications investment (% of revenue)	25.3	2.6	..
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.6	4.6
Mobile cellular subscriptions (per 100 people)	0.0	0.7	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	0.2	0.9	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.2	4.6
Quality			
Population covered by mobile cellular network (%)	..	10	56
Fixed broadband Internet subscribers (% of total subscribers)	..	47.7	7.2
International Internet bandwidth (bits per second per person)	0	20	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11	0.11
Secure Internet servers (per million people)	..	0.0	0.5

Namibia

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)		2	2
Urban population (% of total)		32	37
GNI per capita, <i>World Bank Atlas</i> method (\$)		2,030	4,210
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		3.5	5.6
Adult literacy rate (% ages 15 and older)		85	88
Gross primary, secondary, and tertiary enrollment (%)		73	71
Structure			
Separate telecommunications regulator		Yes	Yes
Status of main fixed-line telephone operator		<i>Public</i>	Public
Level of competition (competition, partial comp., monopoly)			
International long distance service		<i>M</i>	M
Mobile telephone service		<i>M</i>	P
Internet service		<i>C</i>	C
Efficiency and capacity			
Telecommunications revenue (% of GDP)		3.1	4.1
Mobile and fixed-line subscribers per employee		115	435
Telecommunications investment (% of revenue)		29.6	7.5
Performance			
Access			
Telephone lines (per 100 people)		6.0	6.6
Mobile cellular subscriptions (per 100 people)		4.5	49.4
Fixed broadband Internet subscribers (per 100 people)		0.5	4.3
Personal computers (per 100 people)		4.1	23.9
Households with a television (%)		29	..
Usage			
International voice traffic (minutes per person per month)		5.1	..
Mobile telephone usage (minutes per user per month)	
Internet users (per 100 people)		1.6	5.3
Quality			
Population covered by mobile cellular network (%)		85	95
Fixed broadband Internet subscribers (% of total subscribers)		0.0	0.3
International Internet bandwidth (bits per second per person)		2	27
Affordability			
Residential fixed line tariff (\$ a month)		..	14.5
Mobile cellular prepaid tariff (\$ a month)		..	11.5
Fixed broadband Internet access tariff (\$ a month)		..	46.1
Trade			
ICT goods exports (% of total goods exports)		1.0	0.6
ICT goods imports (% of total goods imports)		8.3	4.9
ICT service exports (% of total service exports)		2.7	2.3
Applications			
ICT expenditure (% of GDP)	
E-gov't Web measure index (0–1, 1=highest presence)		..	0.17
Secure Internet servers (per million people)		1.6	8.8

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	24	29	976
Urban population (% of total)	13	17	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	220	400	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.6	3.5	5.8
Adult literacy rate (% ages 15 and older)	49	58	69
Gross primary, secondary, and tertiary enrollment (%)	56	61	53
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	3.1
Mobile and fixed-line subscribers per employee	60	565	275
Telecommunications investment (% of revenue)	26.7	26.7	..
Performance			
Access			
Telephone lines (per 100 people)	1.1	2.8	4.6
Mobile cellular subscriptions (per 100 people)	0.0	14.6	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.3	1.0
Personal computers (per 100 people)	0.3	0.5	1.7
Households with a television (%)	13	28	..
Usage			
International voice traffic (minutes per person per month)	0.2	0.5	..
Mobile telephone usage (minutes per user per month)	..	103	..
Internet users (per 100 people)	0.2	1.7	4.6
Quality			
Population covered by mobile cellular network (%)	..	10	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	12.5	7.2
International Internet bandwidth (bits per second per person)	0	5	24
Affordability			
Residential fixed line tariff (\$ a month)	..	3.4	9.0
Mobile cellular prepaid tariff (\$ a month)	..	2.9	10.0
Fixed broadband Internet access tariff (\$ a month)	..	22.8	102.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	2.5
ICT goods imports (% of total goods imports)	3.2	5.4	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.11
Secure Internet servers (per million people)	..	1.1	0.5

Netherlands

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	16	16	1,069
Urban population (% of total)	77	82	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	26,580	49,340	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.1	1.9	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	98	98	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Private</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	0.7	3.1
Mobile and fixed-line subscribers per employee	353	..	801
Telecommunications investment (% of revenue)	21.6	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	62.1	44.5	47.0
Mobile cellular subscriptions (per 100 people)	67.5	125.4	106.1
Fixed broadband Internet subscribers (per 100 people)	37.1	34.3	25.0
Personal computers (per 100 people)	39.6	91.2	67.8
Households with a television (%)	..	98	98
Usage			
International voice traffic (minutes per person per month)	25.9	..	14.0
Mobile telephone usage (minutes per user per month)	113	137	336
Internet users (per 100 people)	44.0	87.0	69.1
Quality			
Population covered by mobile cellular network (%)	100	98	99
Fixed broadband Internet subscribers (% of total subscribers)	4.4	98.0	89.0
International Internet bandwidth (bits per second per person)	4,275	78,156	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	31.2	27.0
Mobile cellular prepaid tariff (\$ a month)	..	17.7	16.1
Fixed broadband Internet access tariff (\$ a month)	..	38.1	29.8
Trade			
ICT goods exports (% of total goods exports)	19.3	11.8	11.7
ICT goods imports (% of total goods imports)	21.2	12.6	12.0
ICT service exports (% of total service exports)	5.3	10.6	7.3
Applications			
ICT expenditure (% of GDP)	..	6.3	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.79	0.59
Secure Internet servers (per million people)	49.7	1,415.9	715.4

Netherlands Antilles

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.18	0.20	1,069
Urban population (% of total)	90	93	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	2.3
Adult literacy rate (% ages 15 and older)	..	96	..
Gross primary, secondary, and tertiary enrollment (%)	90	88	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	44.3	45.1	47.0
Mobile cellular subscriptions (per 100 people)	16.5	108.6	106.1
Fixed broadband Internet subscribers (per 100 people)	..	..	25.0
Personal computers (per 100 people)	..	..	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	1.1	..	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	..	..	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	1.2	0.9	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	166.3	706.8	715.4

New Caledonia

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.21	0.25	1,069
Urban population (% of total)	62	65	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,020	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.2	..	2.3
Adult literacy rate (% ages 15 and older)	..	96	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	..	3.1
Mobile and fixed-line subscribers per employee	345	637	801
Telecommunications investment (% of revenue)	43.5	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	23.9	25.5	47.0
Mobile cellular subscriptions (per 100 people)	23.4	79.6	106.1
Fixed broadband Internet subscribers (per 100 people)	4.2	10.8	25.0
Personal computers (per 100 people)	6.4	17.1	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	15.2	17.9	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	14.1	34.5	69.1
Quality			
Population covered by mobile cellular network (%)	85	90	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	95.7	89.0
International Internet bandwidth (bits per second per person)	9	4,053	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	0.5	0.3	11.7
ICT goods imports (% of total goods imports)	6.2	3.7	12.0
ICT service exports (% of total service exports)	1.6	0.5	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	32.2	87.9	715.4

New Zealand

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	1,069
Urban population (% of total)	86	87	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	13,450	27,830	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.6	3.1	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	97	108	92
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	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	2.9	3.1
Mobile and fixed-line subscribers per employee	630	605	801
Telecommunications investment (% of revenue)	16.2	22.2	15.4
Performance			
Access			
Telephone lines (per 100 people)	47.5	41.0	47.0
Mobile cellular subscriptions (per 100 people)	40.0	108.2	106.1
Fixed broadband Internet subscribers (per 100 people)	13.0	35.2	25.0
Personal computers (per 100 people)	35.8	52.6	67.8
Households with a television (%)	98	99	98
Usage			
International voice traffic (minutes per person per month)	30.8	25.8	14.0
Mobile telephone usage (minutes per user per month)	87	83	336
Internet users (per 100 people)	47.5	71.4	69.1
Quality			
Population covered by mobile cellular network (%)	97	97	99
Fixed broadband Internet subscribers (% of total subscribers)	0.9	60.8	89.0
International Internet bandwidth (bits per second per person)	65	4,544	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	34.4	27.0
Mobile cellular prepaid tariff (\$ a month)	..	23.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	30.7	29.8
Trade			
ICT goods exports (% of total goods exports)	2.2	1.8	11.7
ICT goods imports (% of total goods imports)	12.6	8.4	12.0
ICT service exports (% of total service exports)	6.2	4.9	7.3
Applications			
ICT expenditure (% of GDP)	..	5.5	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.64	0.59
Secure Internet servers (per million people)	156.9	1,059.1	715.4

Nicaragua

Latin America & Caribbean Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	6	3,703
Urban population (% of total)	55	57	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	1,080	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.0	3.5	8.3
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	<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)	2.6	3.7	3.0
Mobile and fixed-line subscribers per employee	114	334	685
Telecommunications investment (% of revenue)	5.9	24.0	22.6
Performance			
Access			
Telephone lines (per 100 people)	3.2	5.5	13.6
Mobile cellular subscriptions (per 100 people)	1.8	54.8	47.0
Fixed broadband Internet subscribers (per 100 people)	0.3	0.4	5.6
Personal computers (per 100 people)	2.4	4.0	4.5
Households with a television (%)	59	..	..
Usage			
International voice traffic (minutes per person per month)	2.9	3.2	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.0	3.3	13.9
Quality			
Population covered by mobile cellular network (%)	..	70	77
Fixed broadband Internet subscribers (% of total subscribers)	4.5	80.6	40.4
International Internet bandwidth (bits per second per person)	1	144	153
Affordability			
Residential fixed line tariff (\$ a month)	..	5.1	4.8
Mobile cellular prepaid tariff (\$ a month)	..	13.8	8.4
Fixed broadband Internet access tariff (\$ a month)	..	30.0	31.4
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	19.7
ICT goods imports (% of total goods imports)	4.1	6.2	17.0
ICT service exports (% of total service exports)	11.3	8.2	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.29	0.29
Secure Internet servers (per million people)	1.2	6.3	1.8

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	11	15	976
Urban population (% of total)	16	17	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	170	330	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.4	4.4	5.8
Adult literacy rate (% ages 15 and older)	9	29	69
Gross primary, secondary, and tertiary enrollment (%)	16	29	53
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9	2.2	3.1
Mobile and fixed-line subscribers per employee	16	328	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.4	4.6
Mobile cellular subscriptions (per 100 people)	0.0	12.9	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	0.0	0.1	1.7
Households with a television (%)	6	6	..
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.0	0.5	4.6
Quality			
Population covered by mobile cellular network (%)	13	45	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	5.9	7.2
International Internet bandwidth (bits per second per person)	0	11	24
Affordability			
Residential fixed line tariff (\$ a month)	..	13.6	9.0
Mobile cellular prepaid tariff (\$ a month)	..	13.8	10.0
Fixed broadband Internet access tariff (\$ a month)	..	58.2	102.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.7	2.5
ICT goods imports (% of total goods imports)	2.1	3.6	6.3
ICT service exports (% of total service exports)	0.5	32.8	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.11
Secure Internet servers (per million people)	..	0.3	0.5

Nigeria

Sub-Saharan Africa	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	125	151	3,703
Urban population (% of total)	43	48	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	1,170	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.7	6.6	8.3
Adult literacy rate (% ages 15 and older)	..	60	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>	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>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	3.4	3.0
Mobile and fixed-line subscribers per employee	50	256	685
Telecommunications investment (% of revenue)	37.2	7.8	22.6
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.9	13.6
Mobile cellular subscriptions (per 100 people)	0.0	41.7	47.0
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	5.6
Personal computers (per 100 people)	0.6	0.9	4.5
Households with a television (%)	..	25	..
Usage			
International voice traffic (minutes per person per month)	0.2	0.1	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.1	15.9	13.9
Quality			
Population covered by mobile cellular network (%)	38	83	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	58.7	40.4
International Internet bandwidth (bits per second per person)	0	5	153
Affordability			
Residential fixed line tariff (\$ a month)	..	10.3	4.8
Mobile cellular prepaid tariff (\$ a month)	..	12.1	8.4
Fixed broadband Internet access tariff (\$ a month)	..	690.1	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	19.7
ICT goods imports (% of total goods imports)	3.4	10.2	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	3.1	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.22	0.29
Secure Internet servers (per million people)	0.0	0.8	1.8

Northern Mariana Islands

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.07	0.09	1,069
Urban population (% of total)	90	91	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.3
Adult literacy rate (% ages 15 and older)
Gross primary, secondary, and tertiary enrollment (%)	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	
Level of competition (competition, partial comp., monopoly)			
International long distance service	
Mobile telephone service	
Internet service	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1
Mobile and fixed-line subscribers per employee	801
Telecommunications investment (% of revenue)	15.4
Performance			
Access			
Telephone lines (per 100 people)	30.4	28.9	47.0
Mobile cellular subscriptions (per 100 people)	4.3	26.2	106.1
Fixed broadband Internet subscribers (per 100 people)	3.4	..	25.0
Personal computers (per 100 people)	67.8
Households with a television (%)	98
Usage			
International voice traffic (minutes per person per month)	14.0
Mobile telephone usage (minutes per user per month)	336
Internet users (per 100 people)	69.1
Quality			
Population covered by mobile cellular network (%)	99
Fixed broadband Internet subscribers (% of total subscribers)	89.0
International Internet bandwidth (bits per second per person)	20,143
Affordability			
Residential fixed line tariff (\$ a month)	27.0
Mobile cellular prepaid tariff (\$ a month)	16.1
Fixed broadband Internet access tariff (\$ a month)	29.8
Trade			
ICT goods exports (% of total goods exports)	11.7
ICT goods imports (% of total goods imports)	12.0
ICT service exports (% of total service exports)	7.3
Applications			
ICT expenditure (% of GDP)	6.3
E-gov't Web measure index (0–1, 1=highest presence)	0.59
Secure Internet servers (per million people)	28.1	59.7	715.4

Norway

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	5	1,069
Urban population (% of total)	76	77	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	35,860	87,340	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.6	2.4	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	98	98	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	1.2	3.1
Mobile and fixed-line subscribers per employee	251	445	801
Telecommunications investment (% of revenue)	89.3	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	53.5	39.8	47.0
Mobile cellular subscriptions (per 100 people)	71.8	110.1	106.1
Fixed broadband Internet subscribers (per 100 people)	26.2	35.9	25.0
Personal computers (per 100 people)	49.0	62.9	67.8
Households with a television (%)	..	95	98
Usage			
International voice traffic (minutes per person per month)	17.7	16.1	14.0
Mobile telephone usage (minutes per user per month)	163	236	336
Internet users (per 100 people)	26.7	82.5	69.1
Quality			
Population covered by mobile cellular network (%)	96	..	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	92.7	89.0
International Internet bandwidth (bits per second per person)	875	26,904	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	37.6	27.0
Mobile cellular prepaid tariff (\$ a month)	..	9.7	16.1
Fixed broadband Internet access tariff (\$ a month)	..	57.0	29.8
Trade			
ICT goods exports (% of total goods exports)	2.4	2.0	11.7
ICT goods imports (% of total goods imports)	10.6	8.2	12.0
ICT service exports (% of total service exports)	5.4	5.7	7.3
Applications			
ICT expenditure (% of GDP)	..	3.7	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.95	0.59
Secure Internet servers (per million people)	81.8	1,011.0	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	2	3	1,069
Urban population (% of total)	72	72	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,720	14,330	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.2	4.0	2.3
Adult literacy rate (% ages 15 and older)	..	87	..
Gross primary, secondary, and tertiary enrollment (%)	68	66	92
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>P</i>	
Internet service	..	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	3.4	3.1
Mobile and fixed-line subscribers per employee	186	967	801
Telecommunications investment (% of revenue)	19.0	65.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	9.2	9.8	47.0
Mobile cellular subscriptions (per 100 people)	6.7	115.6	106.1
Fixed broadband Internet subscribers (per 100 people)	1.0	2.9	25.0
Personal computers (per 100 people)	3.3	16.9	67.8
Households with a television (%)	..	84	98
Usage			
International voice traffic (minutes per person per month)	9.1	2.5	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	3.5	20.0	69.1
Quality			
Population covered by mobile cellular network (%)	91	96	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	39.9	89.0
International Internet bandwidth (bits per second per person)	16	894	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	32.6	27.0
Mobile cellular prepaid tariff (\$ a month)	..	5.5	16.1
Fixed broadband Internet access tariff (\$ a month)	..	31.3	29.8
Trade			
ICT goods exports (% of total goods exports)	0.6	1.6	11.7
ICT goods imports (% of total goods imports)	3.7	3.2	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.48	0.59
Secure Internet servers (per million people)	0.8	11.5	715.4

Pakistan

	South Asia		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	138	166	3,703
Urban population (% of total)	33	36	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	490	950	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	5.4	8.3
Adult literacy rate (% ages 15 and older)	43	54	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 and fixed-line subscribers per employee	50	50	685
Telecommunications investment (% of revenue)	19.5	1.7	22.6
Performance			
Access			
Telephone lines (per 100 people)	2.2	2.7	13.6
Mobile cellular subscriptions (per 100 people)	0.2	53.0	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	2.2	5.6
Personal computers (per 100 people)	0.4	..	4.5
Households with a television (%)	..	56	..
Usage			
International voice traffic (minutes per person per month)	0.6	0.9	..
Mobile telephone usage (minutes per user per month)	..	164	328
Internet users (per 100 people)	1.4	11.1	13.9
Quality			
Population covered by mobile cellular network (%)	27	90	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	4.5	40.4
International Internet bandwidth (bits per second per person)	0	43	153
Affordability			
Residential fixed line tariff (\$ a month)	..	3.6	4.8
Mobile cellular prepaid tariff (\$ a month)	..	1.9	8.4
Fixed broadband Internet access tariff (\$ a month)	..	18.5	31.4
Trade			
ICT goods exports (% of total goods exports)	..	0.5	19.7
ICT goods imports (% of total goods imports)	..	5.7	17.0
ICT service exports (% of total service exports)	15.4	6.7	18.6
Applications			
ICT expenditure (% of GDP)	..	4.4	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.42	0.29
Secure Internet servers (per million people)	0.0	0.6	1.8

East Asia & Pacific	Upper middle income		
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.02	0.02	949
Urban population (% of total)	70	80	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,260	8,630	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.2	1.8	4.6
Adult literacy rate (% ages 15 and older)	..	..	93
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	5.2	3.3
Mobile and fixed-line subscribers per employee	..	204	559
Telecommunications investment (% of revenue)	..	11.3	..
Performance			
Access			
Telephone lines (per 100 people)	34.7	36.3	21.6
Mobile cellular subscriptions (per 100 people)	12.3	60.2	95.3
Fixed broadband Internet subscribers (per 100 people)	5.2	5.3	8.2
Personal computers (per 100 people)	..	..	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	20.0	27.3	30.6
Quality			
Population covered by mobile cellular network (%)	..	95	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	9.1	81.8
International Internet bandwidth (bits per second per person)	150	690	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	..	11.7
Mobile cellular prepaid tariff (\$ a month)	..	..	9.9
Fixed broadband Internet access tariff (\$ a month)	..	..	26.3
Trade			
ICT goods exports (% of total goods exports)	..	..	10.1
ICT goods imports (% of total goods imports)	..	..	12.7
ICT service exports (% of total service exports)	..	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.36
Secure Internet servers (per million people)	51.0	49.0	28.2

Panama

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	3	3	949
Urban population (% of total)	66	73	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,740	6,690	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.0	6.6	4.6
Adult literacy rate (% ages 15 and older)	92	94	93
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 and fixed-line subscribers per employee	153	380	559
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	14.5	15.4	21.6
Mobile cellular subscriptions (per 100 people)	13.9	115.2	95.3
Fixed broadband Internet subscribers (per 100 people)	1.5	6.1	8.2
Personal computers (per 100 people)	3.6	2.8	11.5
Households with a television (%)	..	83	..
Usage			
International voice traffic (minutes per person per month)	4.6	5.1	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	6.6	27.5	30.6
Quality			
Population covered by mobile cellular network (%)	74	83	94
Fixed broadband Internet subscribers (% of total subscribers)	16.0	94.3	81.8
International Internet bandwidth (bits per second per person)	112	15,964	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	9.1	11.7
Mobile cellular prepaid tariff (\$ a month)	..	5.1	9.9
Fixed broadband Internet access tariff (\$ a month)	..	15.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	10.1
ICT goods imports (% of total goods imports)	8.2	6.9	12.7
ICT service exports (% of total service exports)	..	4.5	5.2
Applications			
ICT expenditure (% of GDP)	..	5.5	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.36
Secure Internet servers (per million people)	9.6	85.7	28.2

Papua New Guinea

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	7	3,703
Urban population (% of total)	13	13	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	620	1,040	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.8	2.9	8.3
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>	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>P</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	..	3.0
Mobile and fixed-line subscribers per employee	41	..	685
Telecommunications investment (% of revenue)	82.6	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	1.2	0.9	13.6
Mobile cellular subscriptions (per 100 people)	0.2	9.1	47.0
Fixed broadband Internet subscribers (per 100 people)	0.5	..	5.6
Personal computers (per 100 people)	5.2	6.4	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.7	..	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.8	1.8	13.9
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	..	..	40.4
International Internet bandwidth (bits per second per person)	1	2	153
Affordability			
Residential fixed line tariff (\$ a month)	..	4.0	4.8
Mobile cellular prepaid tariff (\$ a month)	..	12.8	8.4
Fixed broadband Internet access tariff (\$ a month)	..	144.3	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	19.7
ICT goods imports (% of total goods imports)	3.6	4.1	17.0
ICT service exports (% of total service exports)	..	2.2	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.29
Secure Internet servers (per million people)	..	1.5	1.8

Paraguay

Latin America & Caribbean **Lower middle income**

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	6	3,703
Urban population (% of total)	55	60	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,350	2,110	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.1	3.7	8.3
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>	<i>Public</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.8	3.0
Mobile and fixed-line subscribers per employee	123	799	685
Telecommunications investment (% of revenue)	26.3	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	5.3	7.9	13.6
Mobile cellular subscriptions (per 100 people)	15.3	95.5	47.0
Fixed broadband Internet subscribers (per 100 people)	0.5	1.7	5.6
Personal computers (per 100 people)	1.3	7.8	4.5
Households with a television (%)	72	79	..
Usage			
International voice traffic (minutes per person per month)	1.6	2.9	..
Mobile telephone usage (minutes per user per month)	62	244	328
Internet users (per 100 people)	0.7	14.3	13.9
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.5	84.4	40.4
International Internet bandwidth (bits per second per person)	2	481	153
Affordability			
Residential fixed line tariff (\$ a month)	..	7.2	4.8
Mobile cellular prepaid tariff (\$ a month)	..	5.7	8.4
Fixed broadband Internet access tariff (\$ a month)	..	35.0	31.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	19.7
ICT goods imports (% of total goods imports)	11.1	21.3	17.0
ICT service exports (% of total service exports)	1.8	1.3	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.29
Secure Internet servers (per million people)	0.7	5.7	1.8

Latin America & Caribbean	Upper middle income		
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	26	29	949
Urban population (% of total)	71	71	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,050	3,990	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.4	6.0	4.6
Adult literacy rate (% ages 15 and older)	..	90	93
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 and fixed-line subscribers per employee	473	624	559
Telecommunications investment (% of revenue)	22.2	22.0	..
Performance			
Access			
Telephone lines (per 100 people)	6.6	10.0	21.6
Mobile cellular subscriptions (per 100 people)	4.9	72.7	95.3
Fixed broadband Internet subscribers (per 100 people)	0.5	3.7	8.2
Personal computers (per 100 people)	4.0	10.1	11.5
Households with a television (%)	72	69	..
Usage			
International voice traffic (minutes per person per month)	1.8	8.1	..
Mobile telephone usage (minutes per user per month)	..	91	144
Internet users (per 100 people)	3.1	24.7	30.6
Quality			
Population covered by mobile cellular network (%)	..	95	94
Fixed broadband Internet subscribers (% of total subscribers)	0.8	47.1	81.8
International Internet bandwidth (bits per second per person)	4	2,646	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	15.4	11.7
Mobile cellular prepaid tariff (\$ a month)	..	8.0	9.9
Fixed broadband Internet access tariff (\$ a month)	..	36.4	26.3
Trade			
ICT goods exports (% of total goods exports)	0.4	0.1	10.1
ICT goods imports (% of total goods imports)	10.1	5.3	12.7
ICT service exports (% of total service exports)	..	3.9	5.2
Applications			
ICT expenditure (% of GDP)	..	3.4	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.57	0.36
Secure Internet servers (per million people)	1.3	10.5	28.2

Philippines

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	78	90	3,703
Urban population (% of total)	59	65	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,030	1,890	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.5	5.1	8.3
Adult literacy rate (% ages 15 and older)	93	94	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	<i>C</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)	2.9	4.4	3.0
Mobile and fixed-line subscribers per employee	482	1,555	685
Telecommunications investment (% of revenue)	47.4	24.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	3.9	4.5	13.6
Mobile cellular subscriptions (per 100 people)	8.3	75.4	47.0
Fixed broadband Internet subscribers (per 100 people)	0.5	3.3	5.6
Personal computers (per 100 people)	1.9	7.2	4.5
Households with a television (%)	..	63	..
Usage			
International voice traffic (minutes per person per month)	2.3	2.3	..
Mobile telephone usage (minutes per user per month)	..	44	328
Internet users (per 100 people)	2.0	6.2	13.9
Quality			
Population covered by mobile cellular network (%)	70	99	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	34.9	40.4
International Internet bandwidth (bits per second per person)	2	113	153
Affordability			
Residential fixed line tariff (\$ a month)	..	14.2	4.8
Mobile cellular prepaid tariff (\$ a month)	..	5.7	8.4
Fixed broadband Internet access tariff (\$ a month)	..	23.4	31.4
Trade			
ICT goods exports (% of total goods exports)	69.4	54.1	19.7
ICT goods imports (% of total goods imports)	42.7	34.7	17.0
ICT service exports (% of total service exports)	7.6	7.9	18.6
Applications			
ICT expenditure (% of GDP)	..	6.1	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.51	0.29
Secure Internet servers (per million people)	0.9	5.3	1.8

Europe & Central Asia	Upper middle income		
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	38	38	949
Urban population (% of total)	62	61	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,590	11,730	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.4	4.4	4.6
Adult literacy rate (% ages 15 and older)	..	100	93
Gross primary, secondary, and tertiary enrollment (%)	86	88	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)	4.1	3.9	3.3
Mobile and fixed-line subscribers per employee	256	396	559
Telecommunications investment (% of revenue)	19.4	14.4	..
Performance			
Access			
Telephone lines (per 100 people)	28.5	25.5	21.6
Mobile cellular subscriptions (per 100 people)	17.5	115.2	95.3
Fixed broadband Internet subscribers (per 100 people)	2.4	13.6	8.2
Personal computers (per 100 people)	6.9	16.9	11.5
Households with a television (%)	..	98	..
Usage			
International voice traffic (minutes per person per month)	4.2	5.1	..
Mobile telephone usage (minutes per user per month)	161	110	144
Internet users (per 100 people)	7.3	49.0	30.6
Quality			
Population covered by mobile cellular network (%)	95	99	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	92.7	81.8
International Internet bandwidth (bits per second per person)	20	2,748	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	28.0	11.7
Mobile cellular prepaid tariff (\$ a month)	..	12.5	9.9
Fixed broadband Internet access tariff (\$ a month)	..	27.0	26.3
Trade			
ICT goods exports (% of total goods exports)	4.5	7.5	10.1
ICT goods imports (% of total goods imports)	10.5	8.9	12.7
ICT service exports (% of total service exports)	2.8	4.5	5.2
Applications			
ICT expenditure (% of GDP)	..	5.5	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.54	0.36
Secure Internet servers (per million people)	8.5	123.1	28.2

Portugal

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	10	11	1,069
Urban population (% of total)	54	59	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,590	20,680	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.2	0.9	2.3
Adult literacy rate (% ages 15 and older)	..	95	..
Gross primary, secondary, and tertiary enrollment (%)	91	91	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	4.6	3.1
Mobile and fixed-line subscribers per employee	594	1,534	801
Telecommunications investment (% of revenue)	22.7	16.3	15.4
Performance			
Access			
Telephone lines (per 100 people)	42.3	38.7	47.0
Mobile cellular subscriptions (per 100 people)	65.2	140.4	106.1
Fixed broadband Internet subscribers (per 100 people)	6.3	15.8	25.0
Personal computers (per 100 people)	10.3	18.2	67.8
Households with a television (%)	..	99	98
Usage			
International voice traffic (minutes per person per month)	11.4	14.8	14.0
Mobile telephone usage (minutes per user per month)	133	118	336
Internet users (per 100 people)	16.4	42.1	69.1
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	97.6	89.0
International Internet bandwidth (bits per second per person)	49	4,790	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	25.7	27.0
Mobile cellular prepaid tariff (\$ a month)	..	26.4	16.1
Fixed broadband Internet access tariff (\$ a month)	..	30.2	29.8
Trade			
ICT goods exports (% of total goods exports)	7.8	7.4	11.7
ICT goods imports (% of total goods imports)	9.0	7.9	12.0
ICT service exports (% of total service exports)	2.7	5.0	7.3
Applications			
ICT expenditure (% of GDP)	..	6.0	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.60	0.59
Secure Internet servers (per million people)	13.4	136.2	715.4

Puerto Rico

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	4	1,069
Urban population (% of total)	95	98	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,560	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	..	2.3
Adult literacy rate (% ages 15 and older)	..	90	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	..	3.1
Mobile and fixed-line subscribers per employee	387	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	34.1	26.3	47.0
Mobile cellular subscriptions (per 100 people)	24.3	85.8	106.1
Fixed broadband Internet subscribers (per 100 people)	6.6	..	25.0
Personal computers (per 100 people)	0.7	0.8	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	1,739	336
Internet users (per 100 people)	10.5	25.3	69.1
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband Internet subscribers (% of total subscribers)	8.9	..	89.0
International Internet bandwidth (bits per second per person)	20	511	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	16.4	61.4	715.4

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.62	1	1,069
Urban population (% of total)	95	96	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	9.0	2.3
Adult literacy rate (% ages 15 and older)	..	93	..
Gross primary, secondary, and tertiary enrollment (%)	77	61	92
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	M	
Mobile telephone service	<i>M</i>	P	
Internet service	<i>M</i>	M	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	1.8	3.1
Mobile and fixed-line subscribers per employee	169	597	801
Telecommunications investment (% of revenue)	10.8	22.5	15.4
Performance			
Access			
Telephone lines (per 100 people)	26.0	20.6	47.0
Mobile cellular subscriptions (per 100 people)	19.6	131.4	106.1
Fixed broadband Internet subscribers (per 100 people)	1.7	9.0	25.0
Personal computers (per 100 people)	14.6	15.7	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	32.1	37.0	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	4.9	34.0	69.1
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	89.2	89.0
International Internet bandwidth (bits per second per person)	69	2,044	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	11.7
ICT goods imports (% of total goods imports)	5.1	8.2	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.59
Secure Internet servers (per million people)	4.6	63.9	715.4

	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	22	22	949
Urban population (% of total)	54	54	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,690	8,280	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-2.1	6.4	4.6
Adult literacy rate (% ages 15 and older)	97	98	93
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 and fixed-line subscribers per employee	151	561	559
Telecommunications investment (% of revenue)	67.8	21.5	..
Performance			
Access			
Telephone lines (per 100 people)	17.4	23.4	21.6
Mobile cellular subscriptions (per 100 people)	11.1	113.7	95.3
Fixed broadband Internet subscribers (per 100 people)	1.7	11.7	8.2
Personal computers (per 100 people)	3.2	19.2	11.5
Households with a television (%)	..	97	..
Usage			
International voice traffic (minutes per person per month)	2.9	3.4	..
Mobile telephone usage (minutes per user per month)	..	104	144
Internet users (per 100 people)	3.6	28.8	30.6
Quality			
Population covered by mobile cellular network (%)	97	98	94
Fixed broadband Internet subscribers (% of total subscribers)	4.3	99.4	81.8
International Internet bandwidth (bits per second per person)	4	9,111	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	12.2	11.7
Mobile cellular prepaid tariff (\$ a month)	..	11.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	22.7	26.3
Trade			
ICT goods exports (% of total goods exports)	5.3	5.3	10.1
ICT goods imports (% of total goods imports)	12.0	7.5	12.7
ICT service exports (% of total service exports)	10.8	15.8	5.2
Applications			
ICT expenditure (% of GDP)	..	4.9	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.41	0.36
Secure Internet servers (per million people)	2.4	20.5	28.2

Russian Federation

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	146	142	949
Urban population (% of total)	73	73	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,710	9,660	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.2	6.7	4.6
Adult literacy rate (% ages 15 and older)	99	100	93
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 and fixed-line subscribers per employee	83	439	559
Telecommunications investment (% of revenue)	11.5	..	..
Performance			
Access			
Telephone lines (per 100 people)	21.9	31.6	21.6
Mobile cellular subscriptions (per 100 people)	2.2	140.6	95.3
Fixed broadband Internet subscribers (per 100 people)	0.3	21.5	8.2
Personal computers (per 100 people)	6.4	13.3	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	1.1	..	..
Mobile telephone usage (minutes per user per month)	137	228	144
Internet users (per 100 people)	2.0	31.9	30.6
Quality			
Population covered by mobile cellular network (%)	..	95	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	16.1	81.8
International Internet bandwidth (bits per second per person)	21	573	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	11.7	11.7
Mobile cellular prepaid tariff (\$ a month)	..	8.6	9.9
Fixed broadband Internet access tariff (\$ a month)	..	13.9	26.3
Trade			
ICT goods exports (% of total goods exports)	0.8	0.4	10.1
ICT goods imports (% of total goods imports)	5.6	8.9	12.7
ICT service exports (% of total service exports)	4.6	6.1	5.2
Applications			
ICT expenditure (% of GDP)	..	3.5	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.33	0.36
Secure Internet servers (per million people)	2.0	10.5	28.2

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	8	10	976
Urban population (% of total)	14	18	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	440	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	10.1	6.7	5.8
Adult literacy rate (% ages 15 and older)	65	70	69
Gross primary, secondary, and tertiary enrollment (%)	48	65	53
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	3.1	3.1
Mobile and fixed-line subscribers per employee	189	1,952	275
Telecommunications investment (% of revenue)	93.1	15.8	..
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.2	4.6
Mobile cellular subscriptions (per 100 people)	0.5	13.6	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.1	0.3	1.7
Households with a television (%)	2	2	..
Usage			
International voice traffic (minutes per person per month)	..	0.9	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	3.1	4.6
Quality			
Population covered by mobile cellular network (%)	50	92	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	50.1	7.2
International Internet bandwidth (bits per second per person)	0	27	24
Affordability			
Residential fixed line tariff (\$ a month)	..	7.3	9.0
Mobile cellular prepaid tariff (\$ a month)	..	10.0	10.0
Fixed broadband Internet access tariff (\$ a month)	..	91.8	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.5	2.5
ICT goods imports (% of total goods imports)	9.3	12.5	6.3
ICT service exports (% of total service exports)	..	1.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	0.1	0.6	0.5

Samoa

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.18	0.18	3,703
Urban population (% of total)	22	23	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,360	2,820	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.3	4.0	8.3
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	..	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	M	
Mobile telephone service	..	P	
Internet service	..	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	4.7	3.0
Mobile and fixed-line subscribers per employee	55	95	685
Telecommunications investment (% of revenue)	13.3	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	4.8	16.1	13.6
Mobile cellular subscriptions (per 100 people)	1.4	69.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.2	..	5.6
Personal computers (per 100 people)	0.6	2.3	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	12.5	12.7	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.6	5.0	13.9
Quality			
Population covered by mobile cellular network (%)	..	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	1	50	153
Affordability			
Residential fixed line tariff (\$ a month)	..	10.3	4.8
Mobile cellular prepaid tariff (\$ a month)	..	8.7	8.4
Fixed broadband Internet access tariff (\$ a month)	..	169.3	31.4
Trade			
ICT goods exports (% of total goods exports)	0.3	0.8	19.7
ICT goods imports (% of total goods imports)	3.4	3.0	17.0
ICT service exports (% of total service exports)	..	0.7	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.18	0.29
Secure Internet servers (per million people)	11.3	22.4	1.8

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	..	0.03	1,069
Urban population (% of total)	93	94	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	46,770	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	3.9	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	0.4	3.1
Mobile and fixed-line subscribers per employee	497	438	801
Telecommunications investment (% of revenue)	62.9	45.6	15.4
Performance			
Access			
Telephone lines (per 100 people)	..	68.7	47.0
Mobile cellular subscriptions (per 100 people)	..	77.4	106.1
Fixed broadband Internet subscribers (per 100 people)	..	21.0	25.0
Personal computers (per 100 people)	..	80.0	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	495.6	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	..	54.8	69.1
Quality			
Population covered by mobile cellular network (%)	..	98	99
Fixed broadband Internet subscribers (% of total subscribers)	..	75.4	89.0
International Internet bandwidth (bits per second per person)	..	258,015	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.20	0.59
Secure Internet servers (per million people)	..	954.3	715.4

São Tomé and Príncipe

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.14	0.16	3,703
Urban population (% of total)	53	61	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	1,030	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	6.5	8.3
Adult literacy rate (% ages 15 and older)	85	88	80
Gross primary, secondary, and tertiary enrollment (%)	..	68	64
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	<i>M</i>	
Internet service	..	<i>M</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	8.0	3.0
Mobile and fixed-line subscribers per employee	43	466	685
Telecommunications investment (% of revenue)	16.6	11.8	22.6
Performance			
Access			
Telephone lines (per 100 people)	3.3	4.8	13.6
Mobile cellular subscriptions (per 100 people)	0.0	30.6	47.0
Fixed broadband Internet subscribers (per 100 people)	0.3	1.6	5.6
Personal computers (per 100 people)	1.0	3.9	4.5
Households with a television (%)	31	..	..
Usage			
International voice traffic (minutes per person per month)	2.2	1.4	..
Mobile telephone usage (minutes per user per month)	..	55	328
Internet users (per 100 people)	4.6	15.5	13.9
Quality			
Population covered by mobile cellular network (%)	..	20	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	12.2	40.4
International Internet bandwidth (bits per second per person)	14	51	153
Affordability			
Residential fixed line tariff (\$ a month)	..	10.6	4.8
Mobile cellular prepaid tariff (\$ a month)	..	8.2	8.4
Fixed broadband Internet access tariff (\$ a month)	..	273.5	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	19.7
ICT goods imports (% of total goods imports)	1.0	4.8	17.0
ICT service exports (% of total service exports)	10.0	10.0	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.11	0.29
Secure Internet servers (per million people)	..	12.3	1.8

Saudi Arabia

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	21	25	1,069
Urban population (% of total)	80	82	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	8,140	17,870	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.3	4.1	2.3
Adult literacy rate (% ages 15 and older)	79	86	..
Gross primary, secondary, and tertiary enrollment (%)	..	80	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	M	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.7	3.1
Mobile and fixed-line subscribers per employee	189	1,618	801
Telecommunications investment (% of revenue)	33.9	84.1	15.4
Performance			
Access			
Telephone lines (per 100 people)	14.4	16.6	47.0
Mobile cellular subscriptions (per 100 people)	6.7	146.1	106.1
Fixed broadband Internet subscribers (per 100 people)	1.0	7.4	25.0
Personal computers (per 100 people)	6.3	69.8	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	7.3	18.0	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	2.2	31.5	69.1
Quality			
Population covered by mobile cellular network (%)	92	98	99
Fixed broadband Internet subscribers (% of total subscribers)	3.5	57.2	89.0
International Internet bandwidth (bits per second per person)	16	1,224	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	9.2	27.0
Mobile cellular prepaid tariff (\$ a month)	..	8.8	16.1
Fixed broadband Internet access tariff (\$ a month)	..	39.7	29.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.4	11.7
ICT goods imports (% of total goods imports)	5.1	8.0	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	5.2	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.46	0.59
Secure Internet servers (per million people)	0.5	11.1	715.4

Senegal

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	10	12	976
Urban population (% of total)	41	42	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	510	980	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	4.5	5.8
Adult literacy rate (% ages 15 and older)	39	42	69
Gross primary, secondary, and tertiary enrollment (%)	34	44	53
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	3.1
Mobile and fixed-line subscribers per employee	324	1,859	275
Telecommunications investment (% of revenue)	40.4	18.7	..
Performance			
Access			
Telephone lines (per 100 people)	2.1	1.9	4.6
Mobile cellular subscriptions (per 100 people)	2.5	44.1	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	0.4	1.0
Personal computers (per 100 people)	1.6	2.2	1.7
Households with a television (%)	27	43	..
Usage			
International voice traffic (minutes per person per month)	1.5	2.3	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.4	8.4	4.6
Quality			
Population covered by mobile cellular network (%)	..	85	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.4	7.2
International Internet bandwidth (bits per second per person)	4	237	24
Affordability			
Residential fixed line tariff (\$ a month)	..	17.4	9.0
Mobile cellular prepaid tariff (\$ a month)	..	8.4	10.0
Fixed broadband Internet access tariff (\$ a month)	..	29.1	102.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.6	2.5
ICT goods imports (% of total goods imports)	3.2	3.4	6.3
ICT service exports (% of total service exports)	13.5	15.5	..
Applications			
ICT expenditure (% of GDP)	..	10.8	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.31	0.11
Secure Internet servers (per million people)	0.1	0.9	0.5

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	8	7	949
Urban population (% of total)	51	52	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,470	5,590	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.0	5.4	4.6
Adult literacy rate (% ages 15 and older)	..	..	93
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)	3.2	5.3	3.3
Mobile and fixed-line subscribers per employee	..	872	559
Telecommunications investment (% of revenue)	28.0	31.2	..
Performance			
Access			
Telephone lines (per 100 people)	..	42.0	21.6
Mobile cellular subscriptions (per 100 people)	..	130.9	95.3
Fixed broadband Internet subscribers (per 100 people)	..	11.6	8.2
Personal computers (per 100 people)	..	25.8	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	11.8	..
Mobile telephone usage (minutes per user per month)	..	88	144
Internet users (per 100 people)	..	44.9	30.6
Quality			
Population covered by mobile cellular network (%)	..	93	94
Fixed broadband Internet subscribers (% of total subscribers)	..	53.1	81.8
International Internet bandwidth (bits per second per person)	..	4,506	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	4.9	11.7
Mobile cellular prepaid tariff (\$ a month)	..	4.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	9.0	26.3
Trade			
ICT goods exports (% of total goods exports)	0.5	2.2	10.1
ICT goods imports (% of total goods imports)	4.5	5.4	12.7
ICT service exports (% of total service exports)	..	6.7	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.35	0.36
Secure Internet servers (per million people)	..	2.4	28.2

Seychelles

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	0.08	0.09	949
Urban population (% of total)	51	54	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,420	10,220	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.6	2.0	4.6
Adult literacy rate (% ages 15 and older)	92	..	93
Gross primary, secondary, and tertiary enrollment (%)	..	88	82
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	<i>P</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>P</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.5	4.4	3.3
Mobile and fixed-line subscribers per employee	126	..	559
Telecommunications investment (% of revenue)	10.3	20.3	..
Performance			
Access			
Telephone lines (per 100 people)	25.4	25.7	21.6
Mobile cellular subscriptions (per 100 people)	32.0	107.5	95.3
Fixed broadband Internet subscribers (per 100 people)	1.6	6.5	8.2
Personal computers (per 100 people)	13.6	21.2	11.5
Households with a television (%)	92	92	..
Usage			
International voice traffic (minutes per person per month)	11.4	..	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	7.4	39.0	30.6
Quality			
Population covered by mobile cellular network (%)	97	98	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	60.3	81.8
International Internet bandwidth (bits per second per person)	25	857	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	12.1	11.7
Mobile cellular prepaid tariff (\$ a month)	..	11.1	9.9
Fixed broadband Internet access tariff (\$ a month)	..	50.7	26.3
Trade			
ICT goods exports (% of total goods exports)	0.7	0.8	10.1
ICT goods imports (% of total goods imports)	2.2	3.3	12.7
ICT service exports (% of total service exports)	..	2.8	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.30	0.36
Secure Internet servers (per million people)	12.3	784.3	28.2

Sierra Leone

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	6	976
Urban population (% of total)	36	38	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	150	320	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-5.0	10.3	5.8
Adult literacy rate (% ages 15 and older)	..	40	69
Gross primary, secondary, and tertiary enrollment (%)	46	77	53
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>P</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>P</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	31	..	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.6	4.6
Mobile cellular subscriptions (per 100 people)	0.3	18.1	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	..	1.0
Personal computers (per 100 people)	..	..	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	0.3	4.6
Quality			
Population covered by mobile cellular network (%)	..	70	56
Fixed broadband Internet subscribers (% of total subscribers)	..	..	7.2
International Internet bandwidth (bits per second per person)	0	..	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	0.2	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.11
Secure Internet servers (per million people)	0.2	0.4	0.5

Singapore

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	4	5	1,069
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	22,960	34,760	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.7	5.8	2.3
Adult literacy rate (% ages 15 and older)	93	95	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	2.8	3.1
Mobile and fixed-line subscribers per employee	584	..	801
Telecommunications investment (% of revenue)	14.9	12.6	15.4
Performance			
Access			
Telephone lines (per 100 people)	48.3	38.4	47.0
Mobile cellular subscriptions (per 100 people)	68.2	131.7	106.1
Fixed broadband Internet subscribers (per 100 people)	21.2	22.8	25.0
Personal computers (per 100 people)	48.2	74.3	67.8
Households with a television (%)	99	..	98
Usage			
International voice traffic (minutes per person per month)	53.7	127.6	14.0
Mobile telephone usage (minutes per user per month)	411	370	336
Internet users (per 100 people)	32.3	69.6	69.1
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	8.1	90.9	89.0
International Internet bandwidth (bits per second per person)	558	22,783	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	7.1	27.0
Mobile cellular prepaid tariff (\$ a month)	..	4.0	16.1
Fixed broadband Internet access tariff (\$ a month)	..	21.9	29.8
Trade			
ICT goods exports (% of total goods exports)	56.1	35.9	11.7
ICT goods imports (% of total goods imports)	44.4	28.2	12.0
ICT service exports (% of total service exports)	2.4	3.5	7.3
Applications			
ICT expenditure (% of GDP)	..	7.1	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.61	0.59
Secure Internet servers (per million people)	126.9	420.8	715.4

Slovak Republic

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	5	1,069
Urban population (% of total)	56	57	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,370	16,590	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.7	6.3	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	72	81	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.3	3.1
Mobile and fixed-line subscribers per employee	191	665	801
Telecommunications investment (% of revenue)	22.6	18.1	15.4
Performance			
Access			
Telephone lines (per 100 people)	31.5	20.3	47.0
Mobile cellular subscriptions (per 100 people)	23.1	102.1	106.1
Fixed broadband Internet subscribers (per 100 people)	1.3	12.4	25.0
Personal computers (per 100 people)	13.7	58.1	67.8
Households with a television (%)	..	99	98
Usage			
International voice traffic (minutes per person per month)	4.9	10.3	14.0
Mobile telephone usage (minutes per user per month)	148	112	336
Internet users (per 100 people)	9.4	66.0	69.1
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	90.2	89.0
International Internet bandwidth (bits per second per person)	41	5,555	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	24.5	27.0
Mobile cellular prepaid tariff (\$ a month)	..	16.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	28.5	29.8
Trade			
ICT goods exports (% of total goods exports)	3.9	17.5	11.7
ICT goods imports (% of total goods imports)	7.8	14.7	12.0
ICT service exports (% of total service exports)	4.6	7.2	7.3
Applications			
ICT expenditure (% of GDP)	..	6.2	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.47	0.59
Secure Internet servers (per million people)	14.7	79.2	715.4

Slovenia

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	2	2	1,069
Urban population (% of total)	51	49	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,090	24,230	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.4	4.4	2.3
Adult literacy rate (% ages 15 and older)	..	100	..
Gross primary, secondary, and tertiary enrollment (%)	85	93	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>P</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	3.3	3.1
Mobile and fixed-line subscribers per employee	541	644	801
Telecommunications investment (% of revenue)	97.6	23.0	15.4
Performance			
Access			
Telephone lines (per 100 people)	39.5	50.0	47.0
Mobile cellular subscriptions (per 100 people)	61.1	101.7	106.1
Fixed broadband Internet subscribers (per 100 people)	7.0	22.6	25.0
Personal computers (per 100 people)	27.6	42.5	67.8
Households with a television (%)	..	99	98
Usage			
International voice traffic (minutes per person per month)	..	8.0	14.0
Mobile telephone usage (minutes per user per month)	..	135	336
Internet users (per 100 people)	15.1	55.7	69.1
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	2.0	93.5	89.0
International Internet bandwidth (bits per second per person)	95	6,720	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	20.5	27.0
Mobile cellular prepaid tariff (\$ a month)	..	12.4	16.1
Fixed broadband Internet access tariff (\$ a month)	..	27.5	29.8
Trade			
ICT goods exports (% of total goods exports)	4.6	3.5	11.7
ICT goods imports (% of total goods imports)	6.9	5.1	12.0
ICT service exports (% of total service exports)	4.2	6.7	7.3
Applications			
ICT expenditure (% of GDP)	..	4.7	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.50	0.59
Secure Internet servers (per million people)	51.2	210.1	715.4

Solomon Islands

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	0.42	0.51	3,703
Urban population (% of total)	16	18	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,000	1,010	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-1.9	4.5	8.3
Adult literacy rate (% ages 15 and older)	77	..	80
Gross primary, secondary, and tertiary enrollment (%)	40	50	64
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	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.6	3.0
Mobile and fixed-line subscribers per employee	59	..	685
Telecommunications investment (% of revenue)	167.6	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	1.9	1.6	13.6
Mobile cellular subscriptions (per 100 people)	0.3	5.9	47.0
Fixed broadband Internet subscribers (per 100 people)	0.3	0.4	5.6
Personal computers (per 100 people)	3.9	4.6	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	1.9	..	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.5	2.0	13.9
Quality			
Population covered by mobile cellular network (%)	35	..	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	23.7	40.4
International Internet bandwidth (bits per second per person)	1	17	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	3.5	1.8	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.14	0.29
Secure Internet servers (per million people)	..	1.9	1.8

Somalia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	7	9	976
Urban population (% of total)	33	37	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	5.8
Adult literacy rate (% ages 15 and older)	..	..	69
Gross primary, secondary, and tertiary enrollment (%)	..	..	53
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	<i>C</i>	<i>C</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	275
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	1.1	4.6
Mobile cellular subscriptions (per 100 people)	1.1	7.0	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.1	0.9	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	1.1	4.6
Quality			
Population covered by mobile cellular network (%)	..	..	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	0	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.00	0.11
Secure Internet servers (per million people)	..	0.1	0.5

South Africa

	Sub-Saharan Africa		Upper middle income	
			Upper middle-income group	
	Country data		2000	2008
Economic and social context				
Population (millions)		44	49	949
Urban population (% of total)		57	61	75
GNI per capita, <i>World Bank Atlas</i> method (\$)		3,050	5,820	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		2.5	4.3	4.6
Adult literacy rate (% ages 15 and older)		..	89	93
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	7.4	3.3
Mobile and fixed-line subscribers per employee		264	1,145	559
Telecommunications investment (% of revenue)		25.5	9.8	..
Performance				
Access				
Telephone lines (per 100 people)		11.3	9.1	21.6
Mobile cellular subscriptions (per 100 people)		19.0	92.4	95.3
Fixed broadband Internet subscribers (per 100 people)		1.6	7.7	8.2
Personal computers (per 100 people)		6.6	8.5	11.5
Households with a television (%)		54	59	..
Usage				
International voice traffic (minutes per person per month)		2.1	..	..
Mobile telephone usage (minutes per user per month)		..	90	144
Internet users (per 100 people)		5.5	8.6	30.6
Quality				
Population covered by mobile cellular network (%)		92	100	94
Fixed broadband Internet subscribers (% of total subscribers)		0.3	1.7	81.8
International Internet bandwidth (bits per second per person)		8	71	1,281
Affordability				
Residential fixed line tariff (\$ a month)		..	22.4	11.7
Mobile cellular prepaid tariff (\$ a month)		..	12.3	9.9
Fixed broadband Internet access tariff (\$ a month)		..	26.3	26.3
Trade				
ICT goods exports (% of total goods exports)		2.0	1.6	10.1
ICT goods imports (% of total goods imports)		13.6	8.8	12.7
ICT service exports (% of total service exports)		2.9	3.2	5.2
Applications				
ICT expenditure (% of GDP)		..	10.1	4.8
E-gov't Web measure index (0–1, 1=highest presence)		..	0.55	0.36
Secure Internet servers (per million people)		11.6	40.4	28.2

Spain

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	40	46	1,069
Urban population (% of total)	76	77	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	15,420	31,930	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.2	3.3	2.3
Adult literacy rate (% ages 15 and older)	..	98	..
Gross primary, secondary, and tertiary enrollment (%)	92	97	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	4.0	3.1
Mobile and fixed-line subscribers per employee	638	855	801
Telecommunications investment (% of revenue)	36.7	11.7	15.4
Performance			
Access			
Telephone lines (per 100 people)	42.5	44.3	47.0
Mobile cellular subscriptions (per 100 people)	60.3	109.0	106.1
Fixed broadband Internet subscribers (per 100 people)	8.0	20.1	25.0
Personal computers (per 100 people)	17.4	39.3	67.8
Households with a television (%)	100	100	98
Usage			
International voice traffic (minutes per person per month)	11.6	9.7	14.0
Mobile telephone usage (minutes per user per month)	101	162	336
Internet users (per 100 people)	13.6	55.4	69.1
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband Internet subscribers (% of total subscribers)	2.4	98.5	89.0
International Internet bandwidth (bits per second per person)	297	11,008	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	30.8	27.0
Mobile cellular prepaid tariff (\$ a month)	..	33.3	16.1
Fixed broadband Internet access tariff (\$ a month)	..	28.8	29.8
Trade			
ICT goods exports (% of total goods exports)	5.4	3.2	11.7
ICT goods imports (% of total goods imports)	9.3	7.9	12.0
ICT service exports (% of total service exports)	5.2	5.8	7.3
Applications			
ICT expenditure (% of GDP)	..	4.8	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.70	0.59
Secure Internet servers (per million people)	23.0	191.8	715.4

	South Asia		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	19	20	3,703
Urban population (% of total)	16	15	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	880	1,780	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.1	5.5	8.3
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 and fixed-line subscribers per employee	101	919	685
Telecommunications investment (% of revenue)	35.8	12.2	22.6
Performance			
Access			
Telephone lines (per 100 people)	4.1	17.1	13.6
Mobile cellular subscriptions (per 100 people)	2.3	55.0	47.0
Fixed broadband Internet subscribers (per 100 people)	0.2	1.2	5.6
Personal computers (per 100 people)	0.7	3.7	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.8	2.9	..
Mobile telephone usage (minutes per user per month)	..	69	328
Internet users (per 100 people)	0.6	5.8	13.9
Quality			
Population covered by mobile cellular network (%)	58	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.5	41.4	40.4
International Internet bandwidth (bits per second per person)	1	190	153
Affordability			
Residential fixed line tariff (\$ a month)	..	4.8	4.8
Mobile cellular prepaid tariff (\$ a month)	..	2.4	8.4
Fixed broadband Internet access tariff (\$ a month)	..	21.0	31.4
Trade			
ICT goods exports (% of total goods exports)	2.7	1.8	19.7
ICT goods imports (% of total goods imports)	4.2	4.6	17.0
ICT service exports (% of total service exports)	7.8	15.5	18.6
Applications			
ICT expenditure (% of GDP)	..	4.3	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.39	0.29
Secure Internet servers (per million people)	0.3	3.5	1.8

St. Kitts and Nevis

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.04	0.05	949
Urban population (% of total)	33	32	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,470	10,870	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.3	4.3	4.6
Adult literacy rate (% ages 15 and older)	..	..	93
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 and fixed-line subscribers per employee	167	..	559
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	49.5	41.5	21.6
Mobile cellular subscriptions (per 100 people)	2.7	162.6	95.3
Fixed broadband Internet subscribers (per 100 people)	9.8	..	8.2
Personal computers (per 100 people)	15.8	23.4	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	59.2	47.6	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	6.1	32.5	30.6
Quality			
Population covered by mobile cellular network (%)	..	..	94
Fixed broadband Internet subscribers (% of total subscribers)	10.9	..	81.8
International Internet bandwidth (bits per second per person)	42	..	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	..	11.7
Mobile cellular prepaid tariff (\$ a month)	..	..	9.9
Fixed broadband Internet access tariff (\$ a month)	..	..	26.3
Trade			
ICT goods exports (% of total goods exports)	1.1	38.6	10.1
ICT goods imports (% of total goods imports)	9.8	8.3	12.7
ICT service exports (% of total service exports)	5.4	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.36
Secure Internet servers (per million people)	347.0	1,199.4	28.2

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	0.16	0.17	949
Urban population (% of total)	28	28	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,130	5,410	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.0	3.2	4.6
Adult literacy rate (% ages 15 and older)	..	..	93
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 and fixed-line subscribers per employee	..	..	559
Telecommunications investment (% of revenue)	..	..	..
Performance			
Access			
Telephone lines (per 100 people)	31.3	24.1	21.6
Mobile cellular subscriptions (per 100 people)	1.6	99.6	95.3
Fixed broadband Internet subscribers (per 100 people)	..	9.1	8.2
Personal computers (per 100 people)	14.1	16.0	11.5
Households with a television (%)	79	..	..
Usage			
International voice traffic (minutes per person per month)	29.6	18.2	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	5.1	58.8	30.6
Quality			
Population covered by mobile cellular network (%)	..	80	94
Fixed broadband Internet subscribers (% of total subscribers)	..	100.1	81.8
International Internet bandwidth (bits per second per person)	95	0	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	11.6	11.7
Mobile cellular prepaid tariff (\$ a month)	..	11.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	55.2	26.3
Trade			
ICT goods exports (% of total goods exports)	9.7	5.7	10.1
ICT goods imports (% of total goods imports)	7.1	4.2	12.7
ICT service exports (% of total service exports)	4.2	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.28	0.36
Secure Internet servers (per million people)	12.7	87.2	28.2

St. Vincent & Grenadines

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.11	0.11	949
Urban population (% of total)	44	47	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,920	5,050	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.7	4.8	4.6
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, and tertiary enrollment (%)	76	80	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	11.2	3.3
Mobile and fixed-line subscribers per employee	165	19,109	559
Telecommunications investment (% of revenue)	15.2	..	..
Performance			
Access			
Telephone lines (per 100 people)	23.1	20.9	21.6
Mobile cellular subscriptions (per 100 people)	2.2	119.2	95.3
Fixed broadband Internet subscribers (per 100 people)	2.5	8.9	8.2
Personal computers (per 100 people)	11.1	15.2	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	38.1	26.2	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	3.2	60.5	30.6
Quality			
Population covered by mobile cellular network (%)	55	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	96.0	81.8
International Internet bandwidth (bits per second per person)	37	275	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	10.9	11.7
Mobile cellular prepaid tariff (\$ a month)	..	11.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	55.2	26.3
Trade			
ICT goods exports (% of total goods exports)	0.6	1.5	10.1
ICT goods imports (% of total goods imports)	5.7	4.1	12.7
ICT service exports (% of total service exports)	9.2	..	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.26	0.36
Secure Internet servers (per million people)	27.8	100.7	28.2

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	35	41	3,703
Urban population (% of total)	36	43	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	320	1,100	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.2	7.4	8.3
Adult literacy rate (% ages 15 and older)	61	69	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	3.3	3.0
Mobile and fixed-line subscribers per employee	146	2,168	685
Telecommunications investment (% of revenue)	71.2	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	1.1	0.9	13.6
Mobile cellular subscriptions (per 100 people)	0.1	29.0	47.0
Fixed broadband Internet subscribers (per 100 people)	..	0.1	5.6
Personal computers (per 100 people)	0.3	10.7	4.5
Households with a television (%)	..	16	..
Usage			
International voice traffic (minutes per person per month)	0.4	0.5	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.0	10.2	13.9
Quality			
Population covered by mobile cellular network (%)	20	66	77
Fixed broadband Internet subscribers (% of total subscribers)	..	4.7	40.4
International Internet bandwidth (bits per second per person)	0	322	153
Affordability			
Residential fixed line tariff (\$ a month)	..	4.4	4.8
Mobile cellular prepaid tariff (\$ a month)	..	4.8	8.4
Fixed broadband Internet access tariff (\$ a month)	..	29.1	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	19.7
ICT goods imports (% of total goods imports)	5.7	2.3	17.0
ICT service exports (% of total service exports)	3.4	1.2	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.06	0.29
Secure Internet servers (per million people)	..	0.0	1.8

Suriname

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	0.47	0.52	949
Urban population (% of total)	72	75	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,930	4,760	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.7	5.4	4.6
Adult literacy rate (% ages 15 and older)	..	91	93
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 and fixed-line subscribers per employee	111	318	559
Telecommunications investment (% of revenue)	38.8	32.4	..
Performance			
Access			
Telephone lines (per 100 people)	16.1	15.8	21.6
Mobile cellular subscriptions (per 100 people)	8.8	80.8	95.3
Fixed broadband Internet subscribers (per 100 people)	0.8	1.6	8.2
Personal computers (per 100 people)	4.2	4.0	11.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	8.2	20.9	..
Mobile telephone usage (minutes per user per month)	..	..	144
Internet users (per 100 people)	2.5	9.7	30.6
Quality			
Population covered by mobile cellular network (%)	..	..	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	32.2	81.8
International Internet bandwidth (bits per second per person)	6	396	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	2.8	11.7
Mobile cellular prepaid tariff (\$ a month)	..	8.9	9.9
Fixed broadband Internet access tariff (\$ a month)	..	95.0	26.3
Trade			
ICT goods exports (% of total goods exports)	..	..	10.1
ICT goods imports (% of total goods imports)	7.0	4.9	12.7
ICT service exports (% of total service exports)	0.0	0.0	5.2
Applications			
ICT expenditure (% of GDP)	..	..	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.36
Secure Internet servers (per million people)	..	19.2	28.2

Swaziland

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)		1	1 3,703
Urban population (% of total)		23	25 41
GNI per capita, <i>World Bank Atlas</i> method (\$)		1,550	2,600 2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)		4.3	2.6 8.3
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 and fixed-line subscribers per employee		137	1,118 685
Telecommunications investment (% of revenue)		9.9	22.4 22.6
Performance			
Access			
Telephone lines (per 100 people)		3.0	3.8 13.6
Mobile cellular subscriptions (per 100 people)		3.1	45.5 47.0
Fixed broadband Internet subscribers (per 100 people)		0.5	1.7 5.6
Personal computers (per 100 people)		1.1	3.7 4.5
Households with a television (%)		..	35 ..
Usage			
International voice traffic (minutes per person per month)		3.8	3.9 ..
Mobile telephone usage (minutes per user per month)	 328
Internet users (per 100 people)		0.9	6.9 13.9
Quality			
Population covered by mobile cellular network (%)		70	91 77
Fixed broadband Internet subscribers (% of total subscribers)		0.0	3.9 40.4
International Internet bandwidth (bits per second per person)		1	31 153
Affordability			
Residential fixed line tariff (\$ a month)		..	4.8 4.8
Mobile cellular prepaid tariff (\$ a month)		..	12.1 8.4
Fixed broadband Internet access tariff (\$ a month)		..	1,877.5 31.4
Trade			
ICT goods exports (% of total goods exports)		0.4	0.1 19.7
ICT goods imports (% of total goods imports)		2.8	3.6 17.0
ICT service exports (% of total service exports)		1.3	1.4 18.6
Applications			
ICT expenditure (% of GDP)	 5.5
E-gov't Web measure index (0–1, 1=highest presence)		..	0.25 0.29
Secure Internet servers (per million people)		0.9	4.2 1.8

Sweden

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	9	9	1,069
Urban population (% of total)	84	85	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	29,280	50,910	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.4	2.8	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	112	92	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.7	3.1
Mobile and fixed-line subscribers per employee	422	894	801
Telecommunications investment (% of revenue)	31.9	12.7	15.4
Performance			
Access			
Telephone lines (per 100 people)	64.8	57.7	47.0
Mobile cellular subscriptions (per 100 people)	71.8	118.1	106.1
Fixed broadband Internet subscribers (per 100 people)	25.3	44.3	25.0
Personal computers (per 100 people)	50.7	88.1	67.8
Households with a television (%)	..	94	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	112	199	336
Internet users (per 100 people)	45.6	87.7	69.1
Quality			
Population covered by mobile cellular network (%)	99	98	99
Fixed broadband Internet subscribers (% of total subscribers)	11.1	68.6	89.0
International Internet bandwidth (bits per second per person)	2,098	49,828	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	22.8	27.0
Mobile cellular prepaid tariff (\$ a month)	..	7.5	16.1
Fixed broadband Internet access tariff (\$ a month)	..	32.3	29.8
Trade			
ICT goods exports (% of total goods exports)	19.1	9.5	11.7
ICT goods imports (% of total goods imports)	16.3	10.1	12.0
ICT service exports (% of total service exports)	9.1	13.6	7.3
Applications			
ICT expenditure (% of GDP)	..	5.7	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.98	0.59
Secure Internet servers (per million people)	116.1	857.6	715.4

Switzerland

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	7	8	1,069
Urban population (% of total)	73	73	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	40,270	55,510	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.0	1.9	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	84	85	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.3	3.1
Mobile and fixed-line subscribers per employee	409	601	801
Telecommunications investment (% of revenue)	27.2	14.2	15.4
Performance			
Access			
Telephone lines (per 100 people)	72.9	63.2	47.0
Mobile cellular subscriptions (per 100 people)	64.6	116.3	106.1
Fixed broadband Internet subscribers (per 100 people)	23.2	36.4	25.0
Personal computers (per 100 people)	65.4	96.2	67.8
Households with a television (%)	94	..	98
Usage			
International voice traffic (minutes per person per month)	55.4	..	14.0
Mobile telephone usage (minutes per user per month)	..	114	336
Internet users (per 100 people)	47.9	75.9	69.1
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband Internet subscribers (% of total subscribers)	3.4	92.6	89.0
International Internet bandwidth (bits per second per person)	2,941	29,413	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	29.0	27.0
Mobile cellular prepaid tariff (\$ a month)	..	35.5	16.1
Fixed broadband Internet access tariff (\$ a month)	..	32.2	29.8
Trade			
ICT goods exports (% of total goods exports)	5.8	3.5	11.7
ICT goods imports (% of total goods imports)	11.0	6.6	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	7.2	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.56	0.59
Secure Internet servers (per million people)	149.2	1,117.6	715.4

Syrian Arab Republic

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	17	21	3,703
Urban population (% of total)	52	54	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	960	2,160	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.2	4.4	8.3
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 and fixed-line subscribers per employee	80	409	685
Telecommunications investment (% of revenue)	58.2	9.1	22.6
Performance			
Access			
Telephone lines (per 100 people)	10.1	17.7	13.6
Mobile cellular subscriptions (per 100 people)	0.2	34.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.1	3.5	5.6
Personal computers (per 100 people)	1.5	9.0	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	2.0	6.5	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	0.2	17.3	13.9
Quality			
Population covered by mobile cellular network (%)	50	96	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	1.6	40.4
International Internet bandwidth (bits per second per person)	1	102	153
Affordability			
Residential fixed line tariff (\$ a month)	..	1.2	4.8
Mobile cellular prepaid tariff (\$ a month)	..	9.1	8.4
Fixed broadband Internet access tariff (\$ a month)	..	51.3	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.6	19.7
ICT goods imports (% of total goods imports)	1.3	2.0	17.0
ICT service exports (% of total service exports)	..	4.5	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.24	0.29
Secure Internet servers (per million people)	0.1	0.3	1.8

Tajikistan

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	6	7	976
Urban population (% of total)	27	26	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	160	600	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.1	8.6	5.8
Adult literacy rate (% ages 15 and older)	99	100	69
Gross primary, secondary, and tertiary enrollment (%)	68	72	53
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>M</i>	
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.7	2.9	3.1
Mobile and fixed-line subscribers per employee	45	114	275
Telecommunications investment (% of revenue)	1.0	71.4	..
Performance			
Access			
Telephone lines (per 100 people)	3.5	4.2	4.6
Mobile cellular subscriptions (per 100 people)	0.0	53.7	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.0	1.0
Personal computers (per 100 people)	..	1.3	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.3	0.9	..
Mobile telephone usage (minutes per user per month)	..	236	..
Internet users (per 100 people)	0.0	8.8	4.6
Quality			
Population covered by mobile cellular network (%)	0	..	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	2.2	7.2
International Internet bandwidth (bits per second per person)	0	37	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	9.5	21.6	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.04	0.11
Secure Internet servers (per million people)	..	0.3	0.5

Tanzania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	34	42	976
Urban population (% of total)	22	26	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	440	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.9	6.8	5.8
Adult literacy rate (% ages 15 and older)	69	73	69
Gross primary, secondary, and tertiary enrollment (%)	33	54	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	<i>M</i>	
Mobile telephone service	<i>C</i>	<i>C</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	..	3.1
Mobile and fixed-line subscribers per employee	78	..	275
Telecommunications investment (% of revenue)	12.6	..	..
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.3	4.6
Mobile cellular subscriptions (per 100 people)	0.3	30.6	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.3	0.9	1.7
Households with a television (%)	3	6	..
Usage			
International voice traffic (minutes per person per month)	0.1	0.0	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.2	4.6
Quality			
Population covered by mobile cellular network (%)	25	65	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	2	24
Affordability			
Residential fixed line tariff (\$ a month)	..	10.9	9.0
Mobile cellular prepaid tariff (\$ a month)	..	11.1	10.0
Fixed broadband Internet access tariff (\$ a month)	..	68.0	102.4
Trade			
ICT goods exports (% of total goods exports)	0.4	0.4	2.5
ICT goods imports (% of total goods imports)	6.0	6.2	6.3
ICT service exports (% of total service exports)	4.3	2.0	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.23	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Thailand

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	62	67	3,703
Urban population (% of total)	31	33	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,960	3,670	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-0.7	5.2	8.3
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 and fixed-line subscribers per employee	353	1,957	685
Telecommunications investment (% of revenue)	27.0	9.8	22.6
Performance			
Access			
Telephone lines (per 100 people)	9.0	10.4	13.6
Mobile cellular subscriptions (per 100 people)	4.9	92.0	47.0
Fixed broadband Internet subscribers (per 100 people)	1.0	..	5.6
Personal computers (per 100 people)	2.7	6.7	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.8	1.1	..
Mobile telephone usage (minutes per user per month)	..	284	328
Internet users (per 100 people)	3.7	23.9	13.9
Quality			
Population covered by mobile cellular network (%)	..	38	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	4	818	153
Affordability			
Residential fixed line tariff (\$ a month)	..	5.8	4.8
Mobile cellular prepaid tariff (\$ a month)	..	3.9	8.4
Fixed broadband Internet access tariff (\$ a month)	..	18.0	31.4
Trade			
ICT goods exports (% of total goods exports)	29.5	19.4	19.7
ICT goods imports (% of total goods imports)	25.3	15.4	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	6.2	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.51	0.29
Secure Internet servers (per million people)	1.8	9.8	1.8

Timor-Leste

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	0.82	1	3,703
Urban population (% of total)	24	27	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	330	2,460	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	1.9	8.3
Adult literacy rate (% ages 15 and older)	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 and fixed-line subscribers per employee	685
Telecommunications investment (% of revenue)	..	6.2	22.6
Performance			
Access			
Telephone lines (per 100 people)	13.6
Mobile cellular subscriptions (per 100 people)	47.0
Fixed broadband Internet subscribers (per 100 people)	..	0.1	5.6
Personal computers (per 100 people)	4.5
Households with a television (%)
Usage			
International voice traffic (minutes per person per month)
Mobile telephone usage (minutes per user per month)	..	86	328
Internet users (per 100 people)	13.9
Quality			
Population covered by mobile cellular network (%)	77
Fixed broadband Internet subscribers (% of total subscribers)	40.4
International Internet bandwidth (bits per second per person)	153
Affordability			
Residential fixed line tariff (\$ a month)	4.8
Mobile cellular prepaid tariff (\$ a month)	8.4
Fixed broadband Internet access tariff (\$ a month)	31.4
Trade			
ICT goods exports (% of total goods exports)	19.7
ICT goods imports (% of total goods imports)	17.0
ICT service exports (% of total service exports)	18.6
Applications			
ICT expenditure (% of GDP)	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.16	0.29
Secure Internet servers (per million people)	..	1.0	1.8

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	5	6	976
Urban population (% of total)	37	42	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	280	410	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.2	2.4	5.8
Adult literacy rate (% ages 15 and older)	53	65	69
Gross primary, secondary, and tertiary enrollment (%)	55	57	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Public</i>	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>P</i>	M	
Mobile telephone service	<i>P</i>	C	
Internet service	<i>C</i>	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	7.4	3.1
Mobile and fixed-line subscribers per employee	86	1,059	275
Telecommunications investment (% of revenue)	45.3	41.1	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	2.2	4.6
Mobile cellular subscriptions (per 100 people)	1.0	24.0	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	1.0	1.0
Personal computers (per 100 people)	1.9	3.1	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.7	0.5	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	1.9	5.4	4.6
Quality			
Population covered by mobile cellular network (%)	80	85	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	3.0	7.2
International Internet bandwidth (bits per second per person)	0	8	24
Affordability			
Residential fixed line tariff (\$ a month)	..	13.1	9.0
Mobile cellular prepaid tariff (\$ a month)	..	18.0	10.0
Fixed broadband Internet access tariff (\$ a month)	..	105.8	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	2.5
ICT goods imports (% of total goods imports)	3.3	4.2	6.3
ICT service exports (% of total service exports)	12.5	6.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.11
Secure Internet servers (per million people)	..	1.8	0.5

Tonga

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.10	0.10	3,703
Urban population (% of total)	23	25	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,650	2,690	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	1.7	1.2	8.3
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>	Private	
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)	2.7	..	3.0
Mobile and fixed-line subscribers per employee	35	..	685
Telecommunications investment (% of revenue)	..	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	9.8	24.7	13.6
Mobile cellular subscriptions (per 100 people)	0.2	48.7	47.0
Fixed broadband Internet subscribers (per 100 people)	1.2	4.3	5.6
Personal computers (per 100 people)	1.3	5.9	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	2.4	8.1	13.9
Quality			
Population covered by mobile cellular network (%)	70	90	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	16.2	40.4
International Internet bandwidth (bits per second per person)	5	116	153
Affordability			
Residential fixed line tariff (\$ a month)	..	6.4	4.8
Mobile cellular prepaid tariff (\$ a month)	..	5.8	8.4
Fixed broadband Internet access tariff (\$ a month)	..	109.8	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	..	5.5	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.17	0.29
Secure Internet servers (per million people)	30.3	28.9	1.8

Trinidad and Tobago

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	1	1	1,069
Urban population (% of total)	11	13	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,190	16,590	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.0	8.4	2.3
Adult literacy rate (% ages 15 and older)	..	99	..
Gross primary, secondary, and tertiary enrollment (%)	66	66	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	<i>C</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.5	3.1
Mobile and fixed-line subscribers per employee	157	..	801
Telecommunications investment (% of revenue)	39.2	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	24.5	23.0	47.0
Mobile cellular subscriptions (per 100 people)	12.5	112.9	106.1
Fixed broadband Internet subscribers (per 100 people)	2.0	6.2	25.0
Personal computers (per 100 people)	6.2	13.2	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	15.2	31.4	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	7.7	17.0	69.1
Quality			
Population covered by mobile cellular network (%)	..	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.0	43.4	89.0
International Internet bandwidth (bits per second per person)	46	678	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	19.7	27.0
Mobile cellular prepaid tariff (\$ a month)	..	7.9	16.1
Fixed broadband Internet access tariff (\$ a month)	..	12.7	29.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	11.7
ICT goods imports (% of total goods imports)	4.1	3.4	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.59
Secure Internet servers (per million people)	9.2	46.3	715.4

Tunisia

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	10	10	3,703
Urban population (% of total)	63	67	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,090	3,480	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.5	4.9	8.3
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 and fixed-line subscribers per employee	153	1,004	685
Telecommunications investment (% of revenue)	39.8	17.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	10.0	12.0	13.6
Mobile cellular subscriptions (per 100 people)	1.2	83.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.4	2.7	5.6
Personal computers (per 100 people)	2.2	9.7	4.5
Households with a television (%)	89	..	..
Usage			
International voice traffic (minutes per person per month)	3.7	6.6	..
Mobile telephone usage (minutes per user per month)	..	158	328
Internet users (per 100 people)	2.7	27.1	13.9
Quality			
Population covered by mobile cellular network (%)	60	100	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	80.8	40.4
International Internet bandwidth (bits per second per person)	5	1,115	153
Affordability			
Residential fixed line tariff (\$ a month)	..	3.0	4.8
Mobile cellular prepaid tariff (\$ a month)	..	7.2	8.4
Fixed broadband Internet access tariff (\$ a month)	..	12.7	31.4
Trade			
ICT goods exports (% of total goods exports)	3.4	5.0	19.7
ICT goods imports (% of total goods imports)	5.5	5.6	17.0
ICT service exports (% of total service exports)	1.2	2.4	18.6
Applications			
ICT expenditure (% of GDP)	..	5.4	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.13	0.29
Secure Internet servers (per million people)	0.4	12.5	1.8

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		
	2000	2008	2008
Economic and social context			
Population (millions)	66	74	949
Urban population (% of total)	65	69	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,990	9,020	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.5	5.7	4.6
Adult literacy rate (% ages 15 and older)	..	89	93
Gross primary, secondary, and tertiary enrollment (%)	69	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>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>C</i>	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.3	3.3
Mobile and fixed-line subscribers per employee	477	2,145	559
Telecommunications investment (% of revenue)	7.7	18.6	..
Performance			
Access			
Telephone lines (per 100 people)	27.7	23.7	21.6
Mobile cellular subscriptions (per 100 people)	24.3	89.1	95.3
Fixed broadband Internet subscribers (per 100 people)	2.3	7.9	8.2
Personal computers (per 100 people)	3.8	6.1	11.5
Households with a television (%)	..	98	..
Usage			
International voice traffic (minutes per person per month)	2.5	3.2	..
Mobile telephone usage (minutes per user per month)	81	118	144
Internet users (per 100 people)	3.8	34.4	30.6
Quality			
Population covered by mobile cellular network (%)	50	100	94
Fixed broadband Internet subscribers (% of total subscribers)	0.0	98.6	81.8
International Internet bandwidth (bits per second per person)	9	2,794	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	..	11.7
Mobile cellular prepaid tariff (\$ a month)	..	..	9.9
Fixed broadband Internet access tariff (\$ a month)	..	..	26.3
Trade			
ICT goods exports (% of total goods exports)	4.0	2.1	10.1
ICT goods imports (% of total goods imports)	11.1	4.7	12.7
ICT service exports (% of total service exports)	..	2.1	5.2
Applications			
ICT expenditure (% of GDP)	..	4.1	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.42	0.36
Secure Internet servers (per million people)	3.2	66.1	28.2

Turkmenistan

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	5	5	3,703
Urban population (% of total)	46	49	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	650	2,840	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.9	14.5	8.3
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 and fixed-line subscribers per employee	50	72	685
Telecommunications investment (% of revenue)	9.0	..	22.6
Performance			
Access			
Telephone lines (per 100 people)	8.1	9.5	13.6
Mobile cellular subscriptions (per 100 people)	0.2	22.5	47.0
Fixed broadband Internet subscribers (per 100 people)	0.0	..	5.6
Personal computers (per 100 people)	1.5	7.2	4.5
Households with a television (%)	93	..	..
Usage			
International voice traffic (minutes per person per month)	0.5	..	..
Mobile telephone usage (minutes per user per month)	..	274	328
Internet users (per 100 people)	0.1	1.5	13.9
Quality			
Population covered by mobile cellular network (%)	12	14	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	..	40.4
International Internet bandwidth (bits per second per person)	0	48	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	0.0	..	19.7
ICT goods imports (% of total goods imports)	6.3	..	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.05	0.29
Secure Internet servers (per million people)	..	0.2	1.8

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	24	32	976
Urban population (% of total)	12	13	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	420	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.4	7.5	5.8
Adult literacy rate (% ages 15 and older)	68	75	69
Gross primary, secondary, and tertiary enrollment (%)	67	66	53
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	<i>Mixed</i>	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	3.2	3.1
Mobile and fixed-line subscribers per employee	79	255	275
Telecommunications investment (% of revenue)	26.2	23.4	..
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.5	4.6
Mobile cellular subscriptions (per 100 people)	0.5	27.0	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	0.1	1.0
Personal computers (per 100 people)	0.2	1.7	1.7
Households with a television (%)	5	6	..
Usage			
International voice traffic (minutes per person per month)	0.1	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	7.9	4.6
Quality			
Population covered by mobile cellular network (%)	16	100	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	21.8	7.2
International Internet bandwidth (bits per second per person)	0	12	24
Affordability			
Residential fixed line tariff (\$ a month)	..	12.6	9.0
Mobile cellular prepaid tariff (\$ a month)	..	10.4	10.0
Fixed broadband Internet access tariff (\$ a month)	..	170.0	102.4
Trade			
ICT goods exports (% of total goods exports)	1.1	4.9	2.5
ICT goods imports (% of total goods imports)	6.1	9.3	6.3
ICT service exports (% of total service exports)	4.1	7.2	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	..	0.3	0.5

Ukraine

Europe & Central Asia	Lower middle income		
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	49	46	3,703
Urban population (% of total)	67	68	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	700	3,210	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	-1.9	7.2	8.3
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>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>C</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)	3.7	5.7	3.0
Mobile and fixed-line subscribers per employee	88	210	685
Telecommunications investment (% of revenue)	23.1	31.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	21.2	28.5	13.6
Mobile cellular subscriptions (per 100 people)	1.7	120.4	47.0
Fixed broadband Internet subscribers (per 100 people)	0.5	4.1	5.6
Personal computers (per 100 people)	1.8	4.5	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	1.1	0.0	..
Mobile telephone usage (minutes per user per month)	49	215	328
Internet users (per 100 people)	0.7	10.5	13.9
Quality			
Population covered by mobile cellular network (%)	75	100	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	84.0	40.4
International Internet bandwidth (bits per second per person)	1	206	153
Affordability			
Residential fixed line tariff (\$ a month)	..	4.2	4.8
Mobile cellular prepaid tariff (\$ a month)	..	8.2	8.4
Fixed broadband Internet access tariff (\$ a month)	..	20.8	31.4
Trade			
ICT goods exports (% of total goods exports)	1.3	1.3	19.7
ICT goods imports (% of total goods imports)	3.6	2.6	17.0
ICT service exports (% of total service exports)	2.5	3.3	18.6
Applications			
ICT expenditure (% of GDP)	..	5.9	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.54	0.29
Secure Internet servers (per million people)	0.9	6.0	1.8

United Arab Emirates

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	4	1,069
Urban population (% of total)	78	78	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	19,320	26,360	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.1	7.8	2.3
Adult literacy rate (% ages 15 and older)	..	90	..
Gross primary, secondary, and tertiary enrollment (%)	63	65	92
Structure			
Separate telecommunications regulator	..	Yes	
Status of main fixed-line telephone operator	<i>Mixed</i>	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	<i>M</i>	P	
Mobile telephone service	<i>M</i>	P	
Internet service	<i>M</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	3.1	3.1
Mobile and fixed-line subscribers per employee	294	924	801
Telecommunications investment (% of revenue)	28.9	9.8	15.4
Performance			
Access			
Telephone lines (per 100 people)	31.5	33.6	47.0
Mobile cellular subscriptions (per 100 people)	44.1	208.6	106.1
Fixed broadband Internet subscribers (per 100 people)	6.5	26.8	25.0
Personal computers (per 100 people)	12.4	33.1	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	23.6	65.2	69.1
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.7	46.4	89.0
International Internet bandwidth (bits per second per person)	5	8,686	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	5.0	27.0
Mobile cellular prepaid tariff (\$ a month)	..	4.1	16.1
Fixed broadband Internet access tariff (\$ a month)	..	21.5	29.8
Trade			
ICT goods exports (% of total goods exports)	..	2.0	11.7
ICT goods imports (% of total goods imports)	..	5.3	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	4.9	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.72	0.59
Secure Internet servers (per million people)	9.1	164.8	715.4

United Kingdom

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	59	61	1,069
Urban population (% of total)	89	90	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,910	46,040	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	3.4	2.5	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	90	88	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	4.3	3.1
Mobile and fixed-line subscribers per employee	380	..	801
Telecommunications investment (% of revenue)	30.4	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	59.8	54.1	47.0
Mobile cellular subscriptions (per 100 people)	73.8	126.0	106.1
Fixed broadband Internet subscribers (per 100 people)	14.3	31.6	25.0
Personal computers (per 100 people)	34.3	80.2	67.8
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	21.9	..	14.0
Mobile telephone usage (minutes per user per month)	150	188	336
Internet users (per 100 people)	26.8	76.0	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	0.6	89.1	89.0
International Internet bandwidth (bits per second per person)	1,469	39,648	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	27.3	27.0
Mobile cellular prepaid tariff (\$ a month)	..	20.5	16.1
Fixed broadband Internet access tariff (\$ a month)	..	29.4	29.8
Trade			
ICT goods exports (% of total goods exports)	19.8	7.7	11.7
ICT goods imports (% of total goods imports)	20.0	10.1	12.0
ICT service exports (% of total service exports)	5.9	8.0	7.3
Applications			
ICT expenditure (% of GDP)	..	6.3	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.69	0.59
Secure Internet servers (per million people)	109.4	904.7	715.4

United States

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	282	304	1,069
Urban population (% of total)	79	82	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,410	47,930	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.2	2.4	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	90	92	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.1	3.1
Mobile and fixed-line subscribers per employee	239	389	801
Telecommunications investment (% of revenue)	25.3	6.6	15.4
Performance			
Access			
Telephone lines (per 100 people)	68.2	50.9	47.0
Mobile cellular subscriptions (per 100 people)	38.8	89.0	106.1
Fixed broadband Internet subscribers (per 100 people)	20.0	24.1	25.0
Personal computers (per 100 people)	57.1	80.6	67.8
Households with a television (%)	98	98	98
Usage			
International voice traffic (minutes per person per month)	12.7	23.3	14.0
Mobile telephone usage (minutes per user per month)	387	824	336
Internet users (per 100 people)	43.9	75.9	69.1
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband Internet subscribers (% of total subscribers)	22.4	96.5	89.0
International Internet bandwidth (bits per second per person)	394	11,289	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	17.2	27.0
Mobile cellular prepaid tariff (\$ a month)	..	15.3	16.1
Fixed broadband Internet access tariff (\$ a month)	..	15.0	29.8
Trade			
ICT goods exports (% of total goods exports)	23.4	12.8	11.7
ICT goods imports (% of total goods imports)	18.9	12.5	12.0
ICT service exports (% of total service exports)	3.3	4.0	7.3
Applications			
ICT expenditure (% of GDP)	..	7.4	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	0.95	0.59
Secure Internet servers (per million people)	274.0	1,234.1	715.4

Uruguay

	Latin America & Caribbean		Upper middle income
	Country data		Upper middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	3	949
Urban population (% of total)	91	92	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,100	8,260	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.2	3.8	4.6
Adult literacy rate (% ages 15 and older)	..	98	93
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>	C	
Mobile telephone service	<i>C</i>	C	
Internet service	<i>P</i>	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	3.1	3.3
Mobile and fixed-line subscribers per employee	243	692	559
Telecommunications investment (% of revenue)	13.5	16.4	..
Performance			
Access			
Telephone lines (per 100 people)	28.1	28.8	21.6
Mobile cellular subscriptions (per 100 people)	12.4	105.2	95.3
Fixed broadband Internet subscribers (per 100 people)	..	8.6	8.2
Personal computers (per 100 people)	10.6	13.6	11.5
Households with a television (%)	93	91	..
Usage			
International voice traffic (minutes per person per month)	5.1	0.0	..
Mobile telephone usage (minutes per user per month)	..	118	144
Internet users (per 100 people)	10.6	40.2	30.6
Quality			
Population covered by mobile cellular network (%)	100	100	94
Fixed broadband Internet subscribers (% of total subscribers)	..	85.0	81.8
International Internet bandwidth (bits per second per person)	18	903	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	13.0	11.7
Mobile cellular prepaid tariff (\$ a month)	..	13.8	9.9
Fixed broadband Internet access tariff (\$ a month)	..	24.3	26.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	10.1
ICT goods imports (% of total goods imports)	7.4	6.2	12.7
ICT service exports (% of total service exports)	2.9	9.0	5.2
Applications			
ICT expenditure (% of GDP)	..	4.3	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.51	0.36
Secure Internet servers (per million people)	11.2	35.6	28.2

Uzbekistan

Europe & Central Asia

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	25	27	976
Urban population (% of total)	37	37	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	910	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	4.1	6.6	5.8
Adult literacy rate (% ages 15 and older)	97	99	69
Gross primary, secondary, and tertiary enrollment (%)	72	73	53
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	3.1
Mobile and fixed-line subscribers per employee	66	758	275
Telecommunications investment (% of revenue)	25.3	27.9	..
Performance			
Access			
Telephone lines (per 100 people)	6.7	6.8	4.6
Mobile cellular subscriptions (per 100 people)	0.2	46.6	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	9.0	1.0
Personal computers (per 100 people)	..	3.1	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.5	1.0	..
Mobile telephone usage (minutes per user per month)	..	384	..
Internet users (per 100 people)	0.5	9.0	4.6
Quality			
Population covered by mobile cellular network (%)	75	93	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	2.7	7.2
International Internet bandwidth (bits per second per person)	0	30	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	..	..	2.5
ICT goods imports (% of total goods imports)	..	..	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.27	0.11
Secure Internet servers (per million people)	..	0.3	0.5

Vanuatu

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		2008
	2000	2008	2008
Economic and social context			
Population (millions)	0.19	0.23	3,703
Urban population (% of total)	22	25	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,250	1,940	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.2	3.7	8.3
Adult literacy rate (% ages 15 and older)	..	81	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>	Private	
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)	4.8	3.7	3.0
Mobile and fixed-line subscribers per employee	39	131	685
Telecommunications investment (% of revenue)	..	20.0	22.6
Performance			
Access			
Telephone lines (per 100 people)	3.5	4.4	13.6
Mobile cellular subscriptions (per 100 people)	0.2	15.4	47.0
Fixed broadband Internet subscribers (per 100 people)	0.7	0.7	5.6
Personal computers (per 100 people)	1.3	1.4	4.5
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	..	..	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	2.1	7.3	13.9
Quality			
Population covered by mobile cellular network (%)	20	50	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	3.7	40.4
International Internet bandwidth (bits per second per person)	3	18	153
Affordability			
Residential fixed line tariff (\$ a month)	..	25.3	4.8
Mobile cellular prepaid tariff (\$ a month)	..	15.1	8.4
Fixed broadband Internet access tariff (\$ a month)	..	450.0	31.4
Trade			
ICT goods exports (% of total goods exports)	..	0.2	19.7
ICT goods imports (% of total goods imports)	..	3.2	17.0
ICT service exports (% of total service exports)	..	..	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	0.03	0.29
Secure Internet servers (per million people)	10.3	183.5	1.8

Venezuela, RB

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data	2000	2008
Economic and social context			
Population (millions)	24	28	949
Urban population (% of total)	90	93	75
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,100	9,230	7,852
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.6	5.2	4.6
Adult literacy rate (% ages 15 and older)	93	95	93
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>	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)	3.3	3.5	3.3
Mobile and fixed-line subscribers per employee	386	914	559
Telecommunications investment (% of revenue)	26.3	11.9	..
Performance			
Access			
Telephone lines (per 100 people)	10.4	22.6	21.6
Mobile cellular subscriptions (per 100 people)	22.4	97.0	95.3
Fixed broadband Internet subscribers (per 100 people)	1.1	5.3	8.2
Personal computers (per 100 people)	4.5	9.3	11.5
Households with a television (%)	..	92	..
Usage			
International voice traffic (minutes per person per month)	1.9	..	..
Mobile telephone usage (minutes per user per month)	..	119	144
Internet users (per 100 people)	3.4	25.7	30.6
Quality			
Population covered by mobile cellular network (%)	..	90	94
Fixed broadband Internet subscribers (% of total subscribers)	1.6	90.3	81.8
International Internet bandwidth (bits per second per person)	6	628	1,281
Affordability			
Residential fixed line tariff (\$ a month)	..	7.0	11.7
Mobile cellular prepaid tariff (\$ a month)	..	24.7	9.9
Fixed broadband Internet access tariff (\$ a month)	..	31.3	26.3
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	10.1
ICT goods imports (% of total goods imports)	9.4	11.6	12.7
ICT service exports (% of total service exports)	9.6	7.4	5.2
Applications			
ICT expenditure (% of GDP)	..	3.5	4.8
E-gov't Web measure index (0–1, 1=highest presence)	..	0.47	0.36
Secure Internet servers (per million people)	3.7	7.4	28.2

Vietnam

East Asia & Pacific

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	78	86	976
Urban population (% of total)	24	28	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	890	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	6.7	7.7	5.8
Adult literacy rate (% ages 15 and older)	90	93	69
Gross primary, secondary, and tertiary enrollment (%)	64	..	53
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	3.1
Mobile and fixed-line subscribers per employee	43	79	275
Telecommunications investment (% of revenue)	50.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	3.3	34.3	4.6
Mobile cellular subscriptions (per 100 people)	1.0	81.2	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	6.2	1.0
Personal computers (per 100 people)	0.8	9.6	1.7
Households with a television (%)	70	..	..
Usage			
International voice traffic (minutes per person per month)	0.6	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.3	24.2	4.6
Quality			
Population covered by mobile cellular network (%)	..	70	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	24.7	7.2
International Internet bandwidth (bits per second per person)	0	581	24
Affordability			
Residential fixed line tariff (\$ a month)	..	2.3	9.0
Mobile cellular prepaid tariff (\$ a month)	..	4.2	10.0
Fixed broadband Internet access tariff (\$ a month)	..	17.0	102.4
Trade			
ICT goods exports (% of total goods exports)	5.9	5.6	2.5
ICT goods imports (% of total goods imports)	7.5	8.2	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	4.9	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.44	0.11
Secure Internet servers (per million people)	0.1	1.9	0.5

Virgin Islands (U.S.)

High income

	Country data		High-income group
	2000	2008	2008
Economic and social context			
Population (millions)	0.11	0.11	1,069
Urban population (% of total)	93	95	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,688
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	..	..	2.3
Adult literacy rate (% ages 15 and older)	..	..	..
Gross primary, secondary, and tertiary enrollment (%)	..	..	92
Structure			
Separate telecommunications regulator	..	No	
Status of main fixed-line telephone operator	..	..
Level of competition (competition, partial comp., monopoly)			
International long distance service	..	..
Mobile telephone service	..	..
Internet service	..	..
Efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	3.1
Mobile and fixed-line subscribers per employee	..	..	801
Telecommunications investment (% of revenue)	..	..	15.4
Performance			
Access			
Telephone lines (per 100 people)	62.9	67.6	47.0
Mobile cellular subscriptions (per 100 people)	32.2	73.3	106.1
Fixed broadband Internet subscribers (per 100 people)	..	..	25.0
Personal computers (per 100 people)	2.4	2.7	67.8
Households with a television (%)	..	..	98
Usage			
International voice traffic (minutes per person per month)	..	..	14.0
Mobile telephone usage (minutes per user per month)	..	..	336
Internet users (per 100 people)	13.8	27.3	69.1
Quality			
Population covered by mobile cellular network (%)	..	..	99
Fixed broadband Internet subscribers (% of total subscribers)	..	..	89.0
International Internet bandwidth (bits per second per person)	414	411	20,143
Affordability			
Residential fixed line tariff (\$ a month)	..	..	27.0
Mobile cellular prepaid tariff (\$ a month)	..	..	16.1
Fixed broadband Internet access tariff (\$ a month)	..	..	29.8
Trade			
ICT goods exports (% of total goods exports)	..	..	11.7
ICT goods imports (% of total goods imports)	..	..	12.0
ICT service exports (% of total service exports)	..	..	7.3
Applications			
ICT expenditure (% of GDP)	..	..	6.3
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.59
Secure Internet servers (per million people)	36.8	364.2	715.4

West Bank and Gaza

	Middle East & North Africa		Lower middle income
	Country data		Lower middle-income group
	2000	2008	2008
Economic and social context			
Population (millions)	3	4	3,703
Urban population (% of total)	72	72	41
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,560	1,250	2,073
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	7.4	-0.9	8.3
Adult literacy rate (% ages 15 and older)	..	94	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 and fixed-line subscribers per employee	263	880	685
Telecommunications investment (% of revenue)	46.2	18.4	22.6
Performance			
Access			
Telephone lines (per 100 people)	9.1	8.8	13.6
Mobile cellular subscriptions (per 100 people)	5.9	29.3	47.0
Fixed broadband Internet subscribers (per 100 people)	0.2	2.7	5.6
Personal computers (per 100 people)	3.4	5.5	4.5
Households with a television (%)	..	95	..
Usage			
International voice traffic (minutes per person per month)	2.3	5.6	..
Mobile telephone usage (minutes per user per month)	..	..	328
Internet users (per 100 people)	1.2	9.0	13.9
Quality			
Population covered by mobile cellular network (%)	95	95	77
Fixed broadband Internet subscribers (% of total subscribers)	0.0	54.5	40.4
International Internet bandwidth (bits per second per person)	6	313	153
Affordability			
Residential fixed line tariff (\$ a month)	..	..	4.8
Mobile cellular prepaid tariff (\$ a month)	..	..	8.4
Fixed broadband Internet access tariff (\$ a month)	..	..	31.4
Trade			
ICT goods exports (% of total goods exports)	..	..	19.7
ICT goods imports (% of total goods imports)	..	..	17.0
ICT service exports (% of total service exports)	0.4	7.6	18.6
Applications			
ICT expenditure (% of GDP)	..	..	5.5
E-gov't Web measure index (0–1, 1=highest presence)	..	..	0.29
Secure Internet servers (per million people)	..	1.7	1.8

Yemen, Rep.

Middle East & North Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	18	23	976
Urban population (% of total)	26	31	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	960	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	5.6	3.9	5.8
Adult literacy rate (% ages 15 and older)	..	61	69
Gross primary, secondary, and tertiary enrollment (%)	49	54	53
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	3.1
Mobile and fixed-line subscribers per employee	72	..	275
Telecommunications investment (% of revenue)	51.1	..	..
Performance			
Access			
Telephone lines (per 100 people)	1.9	4.9	4.6
Mobile cellular subscriptions (per 100 people)	0.2	16.1	28.5
Fixed broadband Internet subscribers (per 100 people)	0.0	1.3	1.0
Personal computers (per 100 people)	0.2	2.8	1.7
Households with a television (%)	..	..	..
Usage			
International voice traffic (minutes per person per month)	0.7	..	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.1	1.6	4.6
Quality			
Population covered by mobile cellular network (%)	..	68	56
Fixed broadband Internet subscribers (% of total subscribers)	0.0	0.0	7.2
International Internet bandwidth (bits per second per person)	0	28	24
Affordability			
Residential fixed line tariff (\$ a month)	..	0.8	9.0
Mobile cellular prepaid tariff (\$ a month)	..	4.9	10.0
Fixed broadband Internet access tariff (\$ a month)	..	225.7	102.4
Trade			
ICT goods exports (% of total goods exports)	..	0.3	2.5
ICT goods imports (% of total goods imports)	..	1.8	6.3
ICT service exports (% of total service exports)	28.1	18.9	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.07	0.11
Secure Internet servers (per million people)	..	0.2	0.5

Zambia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	10	13	976
Urban population (% of total)	35	35	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	950	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	2.2	5.3	5.8
Adult literacy rate (% ages 15 and older)	68	71	69
Gross primary, secondary, and tertiary enrollment (%)	46	69	53
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	3.1
Mobile and fixed-line subscribers per employee	59	175	275
Telecommunications investment (% of revenue)	12.3	29.3	..
Performance			
Access			
Telephone lines (per 100 people)	0.8	0.7	4.6
Mobile cellular subscriptions (per 100 people)	0.9	28.0	28.5
Fixed broadband Internet subscribers (per 100 people)	0.1	0.1	1.0
Personal computers (per 100 people)	0.7	1.1	1.7
Households with a television (%)	19	..	..
Usage			
International voice traffic (minutes per person per month)	0.3	0.6	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.2	5.5	4.6
Quality			
Population covered by mobile cellular network (%)	51	50	56
Fixed broadband Internet subscribers (% of total subscribers)	0.3	31.8	7.2
International Internet bandwidth (bits per second per person)	0	8	24
Affordability			
Residential fixed line tariff (\$ a month)	..	27.7	9.0
Mobile cellular prepaid tariff (\$ a month)	..	12.3	10.0
Fixed broadband Internet access tariff (\$ a month)	..	91.5	102.4
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	2.5
ICT goods imports (% of total goods imports)	6.7	3.4	6.3
ICT service exports (% of total service exports)	..	8.1	..
Applications			
ICT expenditure (% of GDP)	..	..	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.00	0.11
Secure Internet servers (per million people)	..	0.7	0.5

	Country data		Low-income group
	2000	2008	2008
Economic and social context			
Population (millions)	12	12	976
Urban population (% of total)	34	37	29
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	360	523
GDP growth, 1995–2000 and 2000–08 (avg. annual %)	0.7	-5.7	5.8
Adult literacy rate (% ages 15 and older)	..	91	69
Gross primary, secondary, and tertiary enrollment (%)	58	56	53
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)	2.2	..	3.1
Mobile and fixed-line subscribers per employee	112	711	275
Telecommunications investment (% of revenue)	90.9	..	..
Performance			
Access			
Telephone lines (per 100 people)	2.0	2.8	4.6
Mobile cellular subscriptions (per 100 people)	2.1	13.3	28.5
Fixed broadband Internet subscribers (per 100 people)	0.2	0.8	1.0
Personal computers (per 100 people)	1.6	7.6	1.7
Households with a television (%)	..	31	..
Usage			
International voice traffic (minutes per person per month)	0.9	1.9	..
Mobile telephone usage (minutes per user per month)	..	..	..
Internet users (per 100 people)	0.4	11.4	4.6
Quality			
Population covered by mobile cellular network (%)	..	75	56
Fixed broadband Internet subscribers (% of total subscribers)	2.2	17.1	7.2
International Internet bandwidth (bits per second per person)	1	10	24
Affordability			
Residential fixed line tariff (\$ a month)	..	..	9.0
Mobile cellular prepaid tariff (\$ a month)	..	..	10.0
Fixed broadband Internet access tariff (\$ a month)	..	..	102.4
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	2.5
ICT goods imports (% of total goods imports)	4.0	2.1	6.3
ICT service exports (% of total service exports)	..	..	..
Applications			
ICT expenditure (% of GDP)	..	2.3	..
E-gov't Web measure index (0–1, 1=highest presence)	..	0.09	0.11
Secure Internet servers (per million people)	0.1	0.6	0.5

Glossary

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

E-government Web measure index measures the level of sophistication of a government's online presence based on 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. (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 calculated from low- and high-speed monthly service charges. Installation fees or modern rentals are excluded. (International Telecommunication Union)

Fixed broadband Internet subscribers are users of the Internet who subscribe to paid high-speed access to the public Internet using a digital subscriber line, cable modem, or other high-speed technology. High-speed access is at least 256 kilobits per second in one or both directions. (International Telecommunication Union)

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

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

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

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

ICT expenditure comprises computer hardware (computers, storage devices, printers, and other peripherals); computer software (operating systems,

programming tools, utilities, applications, and internal software development); computer services (information technology consulting, computer and network systems integration, web hosting, data processing services, and other services); and communications services (voice and data communications services) and wired and wireless communications equipment. (Global Insight and World Information Technology and Services Alliance)

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

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

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

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

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

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

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

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

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

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

Glossary

Mobile cellular prepaid tariff is based on the Organisation for Economic Co-operation 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 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 2008 are for December 2009. (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)