

# The Little Data Book on Information and Communication Technology

# 12

**Economic and social context**

**Structure**

**Efficiency and capacity**

**Performance**

**Access**

**Usage**

**Quality**

**Affordability**

**Trade**

**Applications**



**THE WORLD BANK**





# 2012 | THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY



**THE WORLD BANK**



**International  
Telecommunication  
Union**

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# Contents

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Acknowledgments . . . . .	iv
Preface . . . . .	v
Data notes . . . . .	vi
Regional tables . . . . .	1
World . . . . .	2
East Asia and Pacific . . . . .	3
Europe and Central Asia . . . . .	4
Latin America and the Caribbean . . . . .	5
Middle East and North Africa . . . . .	6
South Asia . . . . .	7
Sub-Saharan Africa . . . . .	8
Income group tables . . . . .	9
Low income . . . . .	10
Middle income . . . . .	11
Lower middle income . . . . .	12
Upper middle income . . . . .	13
Low and middle income . . . . .	14
High income . . . . .	15
Euro area . . . . .	16
Country tables (in alphabetical order) . . . . .	17
Notes . . . . .	234
Glossary . . . . .	235

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# Preface

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Since the late 1990s access to information and communication technologies (ICTs) has seen tremendous growth—driven primarily by the wireless technologies and liberalization of telecommunications markets. Mobile communications have evolved from simple voice and text services to diversified innovative applications and mobile broadband Internet. By the end of 2011, the number of mobile-cellular subscriptions reached approximately 6 billion globally. The number of individuals using the Internet has risen constantly and reached an estimated 2.4 billion while the number of fixed (wired)-broadband subscriptions reached almost 600 million at the end of 2011.

The impacts of ICTs cross all sectors. Research has shown 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. ICTs also help provide better services in health and education, and strengthen social cohesion.

*The Little Data Book on Information and Communication Technology 2012* illustrates the progress of this revolution for 216 economies around the world. It provides comparable statistics on the sector for 2005 and 2010 across a range of indicators, enabling readers to readily compare economies.

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 and other World Bank data publications, visit our data Web site at [data.worldbank.org](http://data.worldbank.org) or the Web site of the Information and Communication Technologies Department at [www.worldbank.org/ict](http://www.worldbank.org/ict).

For more statistics on information and communication technology infrastructure, access and usage, as well as analytical reports such as the annual *Measuring the Information Society* report, visit ITU's Web site at [www.itu.int/ict](http://www.itu.int/ict) and the ITU ICT Eye at [www.itu.int/icteye](http://www.itu.int/icteye).

# Data notes

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The data in this book are for 2005 and 2010 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 or the ITU. The term *country* (used interchangeably with *economy*) does not imply political independence or official recognition by the World Bank or the ITU but refers to any economy for which the authorities report separate social or economic statistics.



# Regional tables

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The country composition of regions is based on the World Bank's analytical regions and may differ from common geographic usage. These regions include low- and middle-income economies only.

## **East Asia and Pacific**

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

## **Europe and Central Asia**

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

## **Latin America and the Caribbean**

Antigua and Barbuda, Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Uruguay, República Bolivariana de 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, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

# World

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	2005	2010
<b>Economic and social context</b>		
Population (millions)	6,504	6,895
Urban population (% of total)	49	51
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,099	9,071
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	1.9
Adult literacy rate (% ages 15 and older)	82	84
Gross primary, secondary, tertiary school enrollment (%)	67	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.1	2.7
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	19.4	17.2
Mobile-cellular telephone subscriptions (per 100 people)	34.0	78.2
Fixed (wired)-broadband subscriptions (per 100 people)	3.44	7.75
Households with a computer (%)	27.3	36.2
Households with Internet access at home (%)	18.8	30.3
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	15.8	30.2
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	67	93
Fixed (wired)-broadband subscriptions (% of total Internet)	49.7	78.4
International Internet bandwidth (bit/s per Internet user)	4,857	29,020
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	11.3
Mobile-cellular sub-basket (\$ a month)	..	14.4
Fixed-broadband sub-basket (\$ a month)	..	25.7
<b>Trade</b>		
ICT goods exports (% of total goods exports)	13.8	11.1
ICT goods imports (% of total goods imports)	14.0	12.7
ICT service exports (% of total service exports)	7.0	9.3
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.45	0.41
Secure Internet servers (per million people)	64.7	183.7

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# East Asia & Pacific

	2005	2010
<b>Economic and social context</b>		
Population (millions)	1,893	1,962
Urban population (% of total)	42	46
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,617	3,696
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.5	9.6
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	68	70
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.2	2.1
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	21.0	18.8
Mobile-cellular telephone subscriptions (per 100 people)	28.4	73.2
Fixed (wired)-broadband subscriptions (per 100 people)	2.02	7.16
Households with a computer (%)	20.4	29.7
Households with Internet access at home (%)	9.0	19.8
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	1.3	1.3
Domestic mobile traffic (minutes/subscriber/month)	132	176
Individuals using the Internet (%)	8.3	29.8
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	93	99
Fixed (wired)-broadband subscriptions (% of total Internet)	45.9	88.9
International Internet bandwidth (bit/s per Internet user)	980	3,408
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	5.1
Mobile-cellular sub-basket (\$ a month)	..	7.7
Fixed-broadband sub-basket (\$ a month)	..	21.7
<b>Trade</b>		
ICT goods exports (% of total goods exports)	29.9	26.2
ICT goods imports (% of total goods imports)	25.8	21.3
ICT service exports (% of total service exports)	4.6	7.1
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.29	0.22
Secure Internet servers (per million people)	0.8	4.2

# Europe & Central Asia

	2005	2010
<b>Economic and social context</b>		
Population (millions)	399	405
Urban population (% of total)	64	64
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,709	7,272
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.1	3.1
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, tertiary school enrollment (%)	79	81
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.2	2.7
Telecommunications investment (% of revenue)	22.1	18.6
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	24.0	25.5
Mobile-cellular telephone subscriptions (per 100 people)	61.7	124.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	9.11
Households with a computer (%)	13.7	40.6
Households with Internet access at home (%)	6.7	34.3
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	104
Individuals using the Internet (%)	12.9	39.3
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	91	..
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0	35.8
International Internet bandwidth (bit/s per Internet user)	1,412	24,554
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	4.8
Mobile-cellular sub-basket (\$ a month)	..	10.8
Fixed-broadband sub-basket (\$ a month)	..	13.3
<b>Trade</b>		
ICT goods exports (% of total goods exports)	1.1	1.2
ICT goods imports (% of total goods imports)	6.0	5.5
ICT service exports (% of total service exports)	5.6	5.9
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.47	0.48
Secure Internet servers (per million people)	5.5	48.3

# Latin America & Caribbean

	2005	2010
<b>Economic and social context</b>		
Population (millions)	550	583
Urban population (% of total)	78	79
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,411	7,741
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	3.7
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, tertiary school enrollment (%)	83	85
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.4	4.2
Telecommunications investment (% of revenue)	..	22.0
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	17.6	18.1
Mobile-cellular telephone subscriptions (per 100 people)	43.1	98.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.49	6.58
Households with a computer (%)	17.2	29.7
Households with Internet access at home (%)	9.7	20.7
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	43	95
Individuals using the Internet (%)	16.5	34.0
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	90	98
Fixed (wired)-broadband subscriptions (% of total Internet)	55.0	80.4
International Internet bandwidth (bit/s per Internet user)	1,252	11,948
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	10.9
Mobile-cellular sub-basket (\$ a month)	..	14.7
Fixed-broadband sub-basket (\$ a month)	..	23.4
<b>Trade</b>		
ICT goods exports (% of total goods exports)	9.5	10.3
ICT goods imports (% of total goods imports)	13.6	14.0
ICT service exports (% of total service exports)	..	..
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.47	0.43
Secure Internet servers (per million people)	10.6	36.2

# Middle East & North Africa

	2005	2010
<b>Economic and social context</b>		
Population (millions)	304	331
Urban population (% of total)	57	58
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,195	3,874
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	4.8
Adult literacy rate (% ages 15 and older)	68	74
Gross primary, secondary, tertiary school enrollment (%)	68	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.2	..
Telecommunications investment (% of revenue)	23.6	16.5
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	14.3	16.5
Mobile-cellular telephone subscriptions (per 100 people)	22.2	86.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.40	1.36
Households with a computer (%)	9.7	30.4
Households with Internet access at home (%)	9.1	22.7
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	8.3	21.0
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	80	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..
International Internet bandwidth (bit/s per Internet user)	606	5,490
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	4.1
Mobile-cellular sub-basket (\$ a month)	..	11.5
Fixed-broadband sub-basket (\$ a month)	..	16.9
<b>Trade</b>		
ICT goods exports (% of total goods exports)	0.8	..
ICT goods imports (% of total goods imports)	5.2	4.2
ICT service exports (% of total service exports)	..	..
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.35	0.27
Secure Internet servers (per million people)	0.6	3.2

# South Asia

	2005	2010
<b>Economic and social context</b>		
Population (millions)	1,517	1,633
Urban population (% of total)	29	30
GNI per capita, <i>World Bank Atlas</i> method (\$)	687	1,176
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.5	7.5
Adult literacy rate (% ages 15 and older)	58	61
Gross primary, secondary, tertiary school enrollment (%)	57	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	2.4	2.3
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	3.9	2.7
Mobile-cellular telephone subscriptions (per 100 people)	7.7	58.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.73
Households with a computer (%)	2.0	6.4
Households with Internet access at home (%)	1.4	4.3
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	5.3	5.0
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	2.5	8.1
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	37	84
Fixed (wired)-broadband subscriptions (% of total Internet)	14.9	52.9
International Internet bandwidth (bit/s per Internet user)	555	4,845
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	3.3
Mobile-cellular sub-basket (\$ a month)	..	2.5
Fixed-broadband sub-basket (\$ a month)	..	14.2
<b>Trade</b>		
ICT goods exports (% of total goods exports)	0.9	1.6
ICT goods imports (% of total goods imports)	7.4	5.7
ICT service exports (% of total service exports)	40.6	43.8
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.31	0.36
Secure Internet servers (per million people)	0.5	2.5

# Sub-Saharan Africa

	2005	2010
<b>Economic and social context</b>		
Population (millions)	755	853
Urban population (% of total)	35	37
GNI per capita, <i>World Bank Atlas</i> method (\$)	770	1,188
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.5	4.8
Adult literacy rate (% ages 15 and older)	57	62
Gross primary, secondary, tertiary school enrollment (%)	51	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	4.6	..
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	1.5	1.4
Mobile-cellular telephone subscriptions (per 100 people)	12.0	44.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.18
Households with a computer (%)	3.5	7.0
Households with Internet access at home (%)	1.1	3.6
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	56
Individuals using the Internet (%)	2.3	11.2
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	51	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	25.9
International Internet bandwidth (bit/s per Internet user)	214	921
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	12.0
Mobile-cellular sub-basket (\$ a month)	..	15.0
Fixed-broadband sub-basket (\$ a month)	..	52.0
<b>Trade</b>		
ICT goods exports (% of total goods exports)	0.7	0.5
ICT goods imports (% of total goods imports)	7.6	7.0
ICT service exports (% of total service exports)	..	..
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.25	0.29
Secure Internet servers (per million people)	2.1	5.8



# Income group tables

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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. Note: Classifications are fixed during the World Bank's fiscal year (ending on June 30), thus countries remain in the categories in which they are classified irrespective of any revisions to their per capita income data.

**Low-income economies** are those with a GNI per capita of \$1,005 or less in 2010.

**Middle-income economies** are those with a GNI per capita of more than \$1,005 but less than \$12,276. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$3,975.

**High-income economies** are those with a GNI per capita of \$12,276 or more.

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

# Low income

	2005	2010
<b>Economic and social context</b>		
Population (millions)	718	796
Urban population (% of total)	26	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	340	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	5.7
Adult literacy rate (% ages 15 and older)	57	61
Gross primary, secondary, tertiary school enrollment (%)	50	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	2.5	..
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	0.9	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.6	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.05
Households with a computer (%)	1.1	2.8
Households with Internet access at home (%)	0.4	1.6
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	1.1	5.7
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	51	..
Fixed (wired)-broadband subscriptions (% of total Internet)	4.5	..
International Internet bandwidth (bit/s per Internet user)	175	1,737
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	54.6
<b>Trade</b>		
ICT goods exports (% of total goods exports)	0.2	..
ICT goods imports (% of total goods imports)	4.8	..
ICT service exports (% of total service exports)	..	..
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.22	0.20
Secure Internet servers (per million people)	0.1	0.8

# Middle income

	2005	2010
<b>Economic and social context</b>		
Population (millions)	4,699	4,971
Urban population (% of total)	46	48
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,919	3,726
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, tertiary school enrollment (%)	65	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.3	3.2
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	14.7	13.7
Mobile-cellular telephone subscriptions (per 100 people)	26.9	78.0
Fixed (wired)-broadband subscriptions (per 100 people)	1.16	4.65
Households with a computer (%)	14.8	25.2
Households with Internet access at home (%)	7.2	17.8
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	4.4	4.5
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	7.9	23.8
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	86	92
Fixed (wired)-broadband subscriptions (% of total Internet)	37.7	65.7
International Internet bandwidth (bit/s per Internet user)	1,016	7,858
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	7.1
Mobile-cellular sub-basket (\$ a month)	..	12.6
Fixed-broadband sub-basket (\$ a month)	..	20.3
<b>Trade</b>		
ICT goods exports (% of total goods exports)	15.6	14.2
ICT goods imports (% of total goods imports)	16.1	14.2
ICT service exports (% of total service exports)	11.0	13.6
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.43	0.37
Secure Internet servers (per million people)	2.5	11.6

# Lower middle income

	2005	2010
<b>Economic and social context</b>		
Population (millions)	2,330	2,519
Urban population (% of total)	37	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	896	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	6.4
Adult literacy rate (% ages 15 and older)	68	71
Gross primary, secondary, tertiary school enrollment (%)	60	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.1	3.4
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	5.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	13.5	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.11	1.04
Households with a computer (%)	3.5	11.3
Households with Internet access at home (%)	2.4	7.5
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	6.8	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	3.9	13.5
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	50	86
Fixed (wired)-broadband subscriptions (% of total Internet)	10.7	57.1
International Internet bandwidth (bit/s per Internet user)	502	4,896
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	32.4
<b>Trade</b>		
ICT goods exports (% of total goods exports)	11.0	8.3
ICT goods imports (% of total goods imports)	11.9	10.4
ICT service exports (% of total service exports)	24.4	27.9
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.34	0.31
Secure Internet servers (per million people)	0.7	3.4

# Upper middle income

	2005	2010
<b>Economic and social context</b>		
Population (millions)	2,369	2,452
Urban population (% of total)	54	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,925	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	91	93
Gross primary, secondary, tertiary school enrollment (%)	71	73
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.3	2.4
Telecommunications investment (% of revenue)	21.2	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	23.8	21.5
Mobile-cellular telephone subscriptions (per 100 people)	40.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.20	8.34
Households with a computer (%)	21.3	35.2
Households with Internet access at home (%)	10.0	25.1
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	97	138
Individuals using the Internet (%)	11.9	34.1
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	94	99
Fixed (wired)-broadband subscriptions (% of total Internet)	43.1	69.0
International Internet bandwidth (bit/s per Internet user)	1,181	9,037
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	9.8
Mobile-cellular sub-basket (\$ a month)	..	14.9
Fixed-broadband sub-basket (\$ a month)	..	17.6
<b>Trade</b>		
ICT goods exports (% of total goods exports)	16.6	15.5
ICT goods imports (% of total goods imports)	17.1	15.0
ICT service exports (% of total service exports)	4.2	5.8
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.48	0.46
Secure Internet servers (per million people)	4.1	20.1

# Low and middle income

	2005	2010
<b>Economic and social context</b>		
Population (millions)	5,417	5,767
Urban population (% of total)	43	46
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,710	3,288
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	78	80
Gross primary, secondary, tertiary school enrollment (%)	63	..
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.3	3.2
Telecommunications investment (% of revenue)	..	..
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	12.9	11.9
Mobile-cellular telephone subscriptions (per 100 people)	23.9	71.8
Fixed (wired)-broadband subscriptions (per 100 people)	1.00	4.05
Households with a computer (%)	13.7	22.8
Households with Internet access at home (%)	6.5	16.0
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	7.0	21.5
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	84	91
Fixed (wired)-broadband subscriptions (% of total Internet)	37.6	65.5
International Internet bandwidth (bit/s per Internet user)	998	7,662
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	12.7
Fixed-broadband sub-basket (\$ a month)	..	23.0
<b>Trade</b>		
ICT goods exports (% of total goods exports)	15.4	14.1
ICT goods imports (% of total goods imports)	15.8	14.0
ICT service exports (% of total service exports)	10.9	13.5
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.36	0.33
Secure Internet servers (per million people)	2.2	10.2

# High income

	2005	2010
<b>Economic and social context</b>		
Population (millions)	1,087	1,127
Urban population (% of total)	76	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	33,982	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	0.6
Adult literacy rate (% ages 15 and older)	98	98
Gross primary, secondary, tertiary school enrollment (%)	92	94
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	3.1	2.6
Telecommunications investment (% of revenue)	15.0	16.3
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	51.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	84.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	15.37	26.54
Households with a computer (%)	65.0	77.1
Households with Internet access at home (%)	54.0	74.0
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	59.3	73.6
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	87.3	96.0
International Internet bandwidth (bit/s per Internet user)	7,378	60,241
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.3
<b>Trade</b>		
ICT goods exports (% of total goods exports)	13.4	10.4
ICT goods imports (% of total goods imports)	13.6	12.5
ICT service exports (% of total service exports)	6.3	8.1
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.67	0.68
Secure Internet servers (per million people)	358.9	1,068.0

# Euro area

	2005	2010
<b>Economic and social context</b>		
Population (millions)	324	332
Urban population (% of total)	73	74
GNI per capita, <i>World Bank Atlas</i> method (\$)	31,697	38,565
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.4	0.5
Adult literacy rate (% ages 15 and older)	..	..
Gross primary, secondary, tertiary school enrollment (%)	93	95
<b>Sector structure</b>		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (percentage allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
<b>Sector efficiency and capacity</b>		
Telecommunications revenue (% of GDP)	2.9	2.4
Telecommunications investment (% of revenue)	12.7	13.5
<b>Sector performance</b>		
<b>Access</b>		
Fixed-telephone subscriptions (per 100 people)	51.9	46.7
Mobile-cellular telephone subscriptions (per 100 people)	98.1	123.0
Fixed (wired)-broadband subscriptions (per 100 people)	13.32	27.78
Households with a computer (%)	58.3	75.9
Households with Internet access at home (%)	46.5	71.5
<b>Usage</b>		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	84	105
Individuals using the Internet (%)	51.5	71.5
<b>Quality</b>		
Population covered by a mobile-cellular network (%)	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	58.6	98.2
International Internet bandwidth (bit/s per Internet user)	9,686	75,294
<b>Affordability</b>		
Fixed-telephone sub-basket (\$ a month)	..	25.3
Mobile-cellular sub-basket (\$ a month)	..	29.8
Fixed-broadband sub-basket (\$ a month)	..	26.2
<b>Trade</b>		
ICT goods exports (% of total goods exports)	8.3	5.2
ICT goods imports (% of total goods imports)	10.3	8.2
ICT service exports (% of total service exports)	8.0	10.7
<b>Applications</b>		
E-government Web measure index (0-1, 1=highest presence)	0.71	0.67
Secure Internet servers (per million people)	145.0	647.5



# Country tables

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## **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.

## **Georgia**

GNI and GDP data and data calculated using GNI and GDP exclude Abkhazia and South Ossetia.

## **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.

## **Morocco**

GNI and GDP data and data calculated using GNI and GDP include Former Spanish Sahara.

## **Netherlands Antilles**

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

## **South Sudan and Sudan**

Data are shown separately for South Sudan where available. However, data reported for Sudan include South Sudan unless otherwise noted.

## **Tanzania**

GNI and GDP data and data calculated using GNI and GDP refer to mainland Tanzania only.

For more information, see *World Development Indicators 2012* or [data.worldbank.org](http://data.worldbank.org).

# Afghanistan

South Asia

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	30	34	796
Urban population (% of total)	23	25	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	230	410	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.4	10.7	5.7
Adult literacy rate (% ages 15 and older)	..	..	61
Gross primary, secondary, tertiary school enrollment (%)	45	54	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.5	..	..
Telecommunications investment (% of revenue)	37.8	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.4 <sup>a</sup>	0.4 <sup>a</sup>	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.3	41.4 <sup>a</sup>	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	0.05
Households with a computer (%)	0.8	1.9 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.8	1.5 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	3.7	..	..
Domestic mobile traffic (minutes/subscriber/month)	28.8	..	..
Individuals using the Internet (%)	1.2	4.0 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	72	75	..
Fixed (wired)-broadband subscriptions (% of total Internet)	18.3	50.0	..
International Internet bandwidth (bit/s per Internet user)	12	1,592 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	0.4	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.20	0.24	0.20
Secure Internet servers (per million people)	0.0	0.6	0.8

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	3	2,452
Urban population (% of total)	45	48	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,580	3,960	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.3	5.3	6.3
Adult literacy rate (% ages 15 and older)	99	96	93
Gross primary, secondary, tertiary school enrollment (%)	68	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	75	75-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.1	4.7	2.4
Telecommunications investment (% of revenue)	11.2	25.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	8.9	10.4	21.5
Mobile-cellular telephone subscriptions (per 100 people)	48.7	141.9	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 <sup>a</sup>	3.29	8.34
Households with a computer (%)	7.0	15.6 <sup>a</sup>	35.2
Households with Internet access at home (%)	5.0	11.7 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	41.0	13.5	3.2
Domestic mobile traffic (minutes/subscriber/month)	21.5	75.5	137.9
Individuals using the Internet (%)	6.0	45.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	91	98	99
Fixed (wired)-broadband subscriptions (% of total Internet)	25.0	94.5	69.0
International Internet bandwidth (bit/s per Internet user)	63 <sup>a</sup>	11,790	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	6.4	9.8
Mobile-cellular sub-basket (\$ a month)	..	25.8	14.9
Fixed-broadband sub-basket (\$ a month)	..	10.7	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.6	0.8	15.5
ICT goods imports (% of total goods imports)	3.8	4.1	15.0
ICT service exports (% of total service exports)	6.4	4.8	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.42	0.46
Secure Internet servers (per million people)	0.3	13.7	20.1

# Algeria

## Middle East & North Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	33	35	2,452
Urban population (% of total)	63	67	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,720	4,390	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	2.6	6.3
Adult literacy rate (% ages 15 and older)	73	..	93
Gross primary, secondary, tertiary school enrollment (%)	73	78	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.7	3.6	2.4
Telecommunications investment (% of revenue)	36.0	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	7.8	8.2	21.5
Mobile-cellular telephone subscriptions (per 100 people)	41.5	92.4	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.41	2.54	8.34
Households with a computer (%)	7.1	20.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	1.2	10.0 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	8.1	4.3	3.2
Domestic mobile traffic (minutes/subscriber/month)	12.4	..	137.9
Individuals using the Internet (%)	5.8	12.5	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	42	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	71.1	..	69.0
International Internet bandwidth (bit/s per Internet user)	81 <sup>a</sup>	8,120 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.4	9.8
Mobile-cellular sub-basket (\$ a month)	..	12.5	14.9
Fixed-broadband sub-basket (\$ a month)	..	14.8	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	7.9	3.0	15.0
ICT service exports (% of total service exports)	4.4	3.5	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.35	0.25	0.46
Secure Internet servers (per million people)	0.1	0.9	20.1

# American Samoa

## East Asia & Pacific

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.06	0.07	2,452
Urban population (% of total)	91	93	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	..	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	16.5 <sup>a</sup>	15.2 <sup>a</sup>	21.5
Mobile-cellular telephone subscriptions (per 100 people)	3.6	..	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	8.34
Households with a computer (%)	..	..	35.2
Households with Internet access at home (%)	..	..	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	..	..	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	69.0
International Internet bandwidth (bit/s per Internet user)	..	..	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	9.8
Mobile-cellular sub-basket (\$ a month)	..	..	14.9
Fixed-broadband sub-basket (\$ a month)	..	..	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	15.5
ICT goods imports (% of total goods imports)	..	..	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	61.4	29.2	20.1

# Andorra

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.08	0.08	1,127
Urban population (% of total)	90	88	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	32,650	41,750	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.1	3.7	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	62	69	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	M	M	
Internet service	..	M	
Foreign ownership (percentage allowed)	..	.. <sup>c</sup>	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.9	3.6	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	45.5	45.0	44.4
Mobile-cellular telephone subscriptions (per 100 people)	82.9	77.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	13.28	28.87	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	112.6	91.9	..
Domestic mobile traffic (minutes/subscriber/month)	65.4	57.6	..
Individuals using the Internet (%)	37.6	81.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	91	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	88.1	96.0
International Internet bandwidth (bit/s per Internet user)	14,339	33,459	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	18.8	..	10.4
ICT goods imports (% of total goods imports)	14.0	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.52	0.31	0.68
Secure Internet servers (per million people)	436.5	919.1	1,068.0

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	16	19	2,519
Urban population (% of total)	54	59	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,330	3,960	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	9.9	12.1	6.4
Adult literacy rate (% ages 15 and older)	67	70	71
Gross primary, secondary, tertiary school enrollment (%)	58	65	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	50	50	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.0	..	3.4
Telecommunications investment (% of revenue)	25.3	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.6	1.6 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	9.8	46.7 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.10 <sup>a</sup>	1.04
Households with a computer (%)	4.0	7.1 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.4 <sup>a</sup>	5.7 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.1	10.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	40	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	6.3	57.1
International Internet bandwidth (bit/s per Internet user)	361	629 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	16.5	5.3
Mobile-cellular sub-basket (\$ a month)	..	19.2	10.7
Fixed-broadband sub-basket (\$ a month)	..	133.4	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	5.4	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.33	0.33	0.31
Secure Internet servers (per million people)	0.3	3.2	3.4

# Antigua and Barbuda

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.08	0.09	2,452
Urban population (% of total)	31	30	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	12,000	13,280	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.4	0.8	6.3
Adult literacy rate (% ages 15 and older)	99	99	93
Gross primary, secondary, tertiary school enrollment (%)	..	80	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	P	
Internet service	C	P	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	43.5	40.9	21.5
Mobile-cellular telephone subscriptions (per 100 people)	102.5	189.3	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.94 <sup>a</sup>	8.03	8.34
Households with a computer (%)	..	50.9 <sup>a</sup>	35.2
Households with Internet access at home (%)	..	38.0 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	31.2	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	126.7	137.9
Individuals using the Internet (%)	34.7	80.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8	48.7	69.0
International Internet bandwidth (bit/s per Internet user)	19,051	16,909	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	14.2	9.8
Mobile-cellular sub-basket (\$ a month)	..	22.0	14.9
Fixed-broadband sub-basket (\$ a month)	..	40.5	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.6	2.2	15.5
ICT goods imports (% of total goods imports)	3.9	4.2	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.45	0.31	0.46
Secure Internet servers (per million people)	846.1	1,071.3	20.1



# Argentina

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	39	40	2,452
Urban population (% of total)	91	92	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,460	8,620	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	6.4	6.3
Adult literacy rate (% ages 15 and older)	97	98	93
Gross primary, secondary, tertiary school enrollment (%)	89	94	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	30	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.1	3.2	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	24.4	24.7 <sup>a</sup>	21.5
Mobile-cellular telephone subscriptions (per 100 people)	57.3	141.8 <sup>a</sup>	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.40	9.56	8.34
Households with a computer (%)	32.0	40.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	13.3 <sup>a</sup>	21.3 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	24.4	137.9
Individuals using the Internet (%)	17.7	36.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	94	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	38.3	96.7	69.0
International Internet bandwidth (bit/s per Internet user)	1,787	27,494 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	3.8	9.8
Mobile-cellular sub-basket (\$ a month)	..	30.7	14.9
Fixed-broadband sub-basket (\$ a month)	..	25.6	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	15.5
ICT goods imports (% of total goods imports)	11.6	9.1	15.0
ICT service exports (% of total service exports)	6.8	11.7	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.58	0.53	0.46
Secure Internet servers (per million people)	10.8	33.6	20.1

# Armenia

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	3	2,519
Urban population (% of total)	64	64	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,470	3,200	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.3	3.3	6.4
Adult literacy rate (% ages 15 and older)	99	100	71
Gross primary, secondary, tertiary school enrollment (%)	71	77	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.0	4.4	3.4
Telecommunications investment (% of revenue)	23.6	29.0	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	19.4	19.2	6.0
Mobile-cellular telephone subscriptions (per 100 people)	10.4	125.0	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.06 <sup>a</sup>	2.75	1.04
Households with a computer (%)	5.5 <sup>a</sup>	21.0	11.3
Households with Internet access at home (%)	2.9 <sup>a</sup>	15.0 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	24.1	6.1
Domestic mobile traffic (minutes/subscriber/month)	58.0	14.1	..
Individuals using the Internet (%)	5.3	44.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	85	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.1	88.2	57.1
International Internet bandwidth (bit/s per Internet user)	453	7,752	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.2	5.3
Mobile-cellular sub-basket (\$ a month)	..	8.8	10.7
Fixed-broadband sub-basket (\$ a month)	..	32.4	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.8	8.3
ICT goods imports (% of total goods imports)	3.6	4.7	10.4
ICT service exports (% of total service exports)	12.3	16.8	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.42	0.33	0.31
Secure Internet servers (per million people)	1.3	27.7	3.4

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.10	0.11	1,127
Urban population (% of total)	47	47	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.8	..	0.6
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, tertiary school enrollment (%)	83	80	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	1.2	15.8	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	37.9	32.6	44.4
Mobile-cellular telephone subscriptions (per 100 people)	102.4	122.6 <sup>a</sup>	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	12.15	17.88	26.54
Households with a computer (%)	45.0	..	77.1
Households with Internet access at home (%)	36.7	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	25.4 <sup>a</sup>	42.0 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	90	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	7,017	113,412	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	0.4	10.4
ICT goods imports (% of total goods imports)	..	5.1	12.5
ICT service exports (% of total service exports)	0.8	1.1	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	287.1	471.6	1,068.0

# Australia

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	20	22	1,127
Urban population (% of total)	88	89	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	30,440	46,200	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.4	2.9	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	112	108	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	P	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	..	2.6
Telecommunications investment (% of revenue)	16.7	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	49.6	38.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	90.3	101.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	9.88 <sup>a</sup>	24.18	26.54
Households with a computer (%)	67.0	81.1 <sup>a</sup>	77.1
Households with Internet access at home (%)	56.0	74.1 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	63.0	76.0 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	98	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	33.7	88.4	96.0
International Internet bandwidth (bit/s per Internet user)	7,840 <sup>a</sup>	41,361 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	27.6	21.2
Mobile-cellular sub-basket (\$ a month)	..	27.7	22.3
Fixed-broadband sub-basket (\$ a month)	..	36.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.7	1.0	10.4
ICT goods imports (% of total goods imports)	11.8	10.6	12.5
ICT service exports (% of total service exports)	4.9	4.9	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.81	0.86	0.68
Secure Internet servers (per million people)	498.1	2,005.9	1,068.0

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	8	8	1,127
Urban population (% of total)	67	68	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	37,210	47,030	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.7	1.1	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	88	91	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	..	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.4	1.8	2.6
Telecommunications investment (% of revenue)	12.7	10.4	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	45.4	38.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	105.3	145.8	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	14.26	23.85	26.54
Households with a computer (%)	63.1	76.2	77.1
Households with Internet access at home (%)	46.7	72.9	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	16.1	..	..
Domestic mobile traffic (minutes/subscriber/month)	107.5	143.6	..
Individuals using the Internet (%)	58.0	72.7	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.3	85.9	96.0
International Internet bandwidth (bit/s per Internet user)	11,439 <sup>a</sup>	73,744 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	25.3	21.2
Mobile-cellular sub-basket (\$ a month)	..	13.9	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	5.5	3.9	10.4
ICT goods imports (% of total goods imports)	7.7	5.8	12.5
ICT service exports (% of total service exports)	5.3	6.2	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.74	0.75	0.68
Secure Internet servers (per million people)	231.7	995.6	1,068.0

# Azerbaijan

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	8	9	2,452
Urban population (% of total)	52	52	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,270	5,330	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.7	15.8	6.3
Adult literacy rate (% ages 15 and older)	100	..	93
Gross primary, secondary, tertiary school enrollment (%)	72	70	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	49-100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.6	2.7	2.4
Telecommunications investment (% of revenue)	6.8	18.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	12.7	16.4	21.5
Mobile-cellular telephone subscriptions (per 100 people)	26.1	99.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	5.01	8.34
Households with a computer (%)	7.3	21.5	35.2
Households with Internet access at home (%)	6.3	35.3	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	7.6	6.7	3.2
Domestic mobile traffic (minutes/subscriber/month)	3.1	79.2	137.9
Individuals using the Internet (%)	8.0	46.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	3.0	52.8	69.0
International Internet bandwidth (bit/s per Internet user)	435	9,692	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.5	9.8
Mobile-cellular sub-basket (\$ a month)	..	6.9	14.9
Fixed-broadband sub-basket (\$ a month)	..	12.5	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	4.6	3.5	15.0
ICT service exports (% of total service exports)	5.2	4.0	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.46	0.37	0.46
Secure Internet servers (per million people)	0.5	4.7	20.1

# Bahamas, The

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.32	0.34	1,127
Urban population (% of total)	83	84	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	24,410	22,240	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.3	-0.8	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	73	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	M	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	41.7	37.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	71.3	124.9	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	4.19	7.20	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	25.0 <sup>a</sup>	43.0 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	95	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	1,127 <sup>a</sup>	4,205	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	16.3	21.2
Mobile-cellular sub-basket (\$ a month)	..	17.5	22.3
Fixed-broadband sub-basket (\$ a month)	..	35.0	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.2	10.4
ICT goods imports (% of total goods imports)	3.2	2.8	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.49	0.47	0.68
Secure Internet servers (per million people)	153.4	420.5	1,068.0

# Bahrain

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.72	1	1,127
Urban population (% of total)	88	89	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	17,400	18,730	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.1	7.2	0.6
Adult literacy rate (% ages 15 and older)	87	91	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.6	4.4	2.6
Telecommunications investment (% of revenue)	14.9	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	26.7	18.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	105.8	124.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	2.96	5.36	26.54
Households with a computer (%)	44.0	87.0	77.1
Households with Internet access at home (%)	32.0	74.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	117.3	106.1	..
Individuals using the Internet (%)	21.3	55.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	42.6	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	2,649 <sup>a</sup>	14,409 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	15.0	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.6	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.9	10.4
ICT goods imports (% of total goods imports)	2.1	4.4	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.86	0.68
Secure Internet servers (per million people)	48.3	117.9	1,068.0



# Bangladesh

South Asia

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	141	149	796
Urban population (% of total)	26	28	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	480	700	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.4	6.2	5.7
Adult literacy rate (% ages 15 and older)	47	56	61
Gross primary, secondary, tertiary school enrollment (%)	52	55	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.5	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.8	0.6 <sup>a</sup>	1.1
Mobile-cellular telephone subscriptions (per 100 people)	6.4	46.2	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04 <sup>a</sup>	0.05
Households with a computer (%)	1.4	3.1 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.2	2.6 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.2 <sup>a</sup>	3.7 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	80	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	..
International Internet bandwidth (bit/s per Internet user)	177 <sup>a</sup>	2,790	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.3	8.8
Mobile-cellular sub-basket (\$ a month)	..	2.0	13.0
Fixed-broadband sub-basket (\$ a month)	..	15.0	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	..	..
ICT goods imports (% of total goods imports)	6.2	..	..
ICT service exports (% of total service exports)	3.4	13.0	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.44	0.20
Secure Internet servers (per million people)	0.0	0.6	0.8

# Barbados

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.27	0.27	1,127
Urban population (% of total)	38	41	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,000	12,660	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.2	-0.2	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	101	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	..	
Mobile telephone service	C	P	
Internet service	C	..	
Foreign ownership (percentage allowed)	.. <sup>b</sup>	75	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.9	..	2.6
Telecommunications investment (% of revenue)	14.0	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	49.9	50.3	44.4
Mobile-cellular telephone subscriptions (per 100 people)	76.2	128.1	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	11.81	20.56	26.54
Households with a computer (%)	39.6	61.4 <sup>a</sup>	77.1
Households with Internet access at home (%)	37.2 <sup>a</sup>	51.0 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	56.1 <sup>a</sup>	70.2 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.2	94.0	96.0
International Internet bandwidth (bit/s per Internet user)	3,297	20,638	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	20.2	21.2
Mobile-cellular sub-basket (\$ a month)	..	20.0	22.3
Fixed-broadband sub-basket (\$ a month)	..	38.8	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.9	1.5	10.4
ICT goods imports (% of total goods imports)	7.8	6.1	12.5
ICT service exports (% of total service exports)	3.8	2.3	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.37	0.68
Secure Internet servers (per million people)	207.0	401.6	1,068.0

# Belarus

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	10	9	2,452
Urban population (% of total)	72	74	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,780	5,950	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.6	7.1	6.3
Adult literacy rate (% ages 15 and older)	..	100	93
Gross primary, secondary, tertiary school enrollment (%)	89	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.3	3.1	2.4
Telecommunications investment (% of revenue)	41.3	29.2	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	33.4	43.1	21.5
Mobile-cellular telephone subscriptions (per 100 people)	41.7	107.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	17.36	8.34
Households with a computer (%)	9.6	40.8	35.2
Households with Internet access at home (%)	7.0	31.2	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	6.6	6.7	3.2
Domestic mobile traffic (minutes/subscriber/month)	116.2	180.1	137.9
Individuals using the Internet (%)	19.7	31.7	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	90	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	81.5	69.0
International Internet bandwidth (bit/s per Internet user)	1,336	22,027	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.3	9.8
Mobile-cellular sub-basket (\$ a month)	..	7.9	14.9
Fixed-broadband sub-basket (\$ a month)	..	18.1	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.0	0.5	15.5
ICT goods imports (% of total goods imports)	2.4	2.4	15.0
ICT service exports (% of total service exports)	5.8	8.8	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.52	0.41	0.46
Secure Internet servers (per million people)	0.5	12.4	20.1

# Belgium

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	10	11	1,127
Urban population (% of total)	97	97	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	36,600	45,840	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	0.9	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	97	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	P	..	
Internet service	C	..	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.9	2.6	2.6
Telecommunications investment (% of revenue)	11.6	14.0	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	46.0	43.3	44.4
Mobile-cellular telephone subscriptions (per 100 people)	92.2	113.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	19.31	31.49	26.54
Households with a computer (%)	57.0	76.7	77.1
Households with Internet access at home (%)	50.2	72.7	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	70.2	90.9	..
Individuals using the Internet (%)	59.8	75.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	88.1	98.8	96.0
International Internet bandwidth (bit/s per Internet user)	18,870 <sup>a</sup>	112,023 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	31.4	21.2
Mobile-cellular sub-basket (\$ a month)	..	40.2	22.3
Fixed-broadband sub-basket (\$ a month)	..	24.8	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.0	2.3	10.4
ICT goods imports (% of total goods imports)	4.9	3.5	12.5
ICT service exports (% of total service exports)	8.5	9.2	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.68	0.65	0.68
Secure Internet servers (per million people)	117.9	604.4	1,068.0

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.29	0.35	2,519
Urban population (% of total)	50	53	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,580	3,810	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.7	2.3	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	74	77	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	<i>M</i>	..	
Internet service	<i>M</i>	..	
Foreign ownership (percentage allowed)	25	25-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.7	5.1	3.4
Telecommunications investment (% of revenue)	23.8	41.7	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	12.0	9.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	34.2 <sup>a</sup>	62.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	1.79	2.86	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	35.9	6.1
Domestic mobile traffic (minutes/subscriber/month)	15.3	1.1	..
Individuals using the Internet (%)	9.2	14.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	73.5	95.0	57.1
International Internet bandwidth (bit/s per Internet user)	5,217	18,337	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	19.6	5.3
Mobile-cellular sub-basket (\$ a month)	..	31.0	10.7
Fixed-broadband sub-basket (\$ a month)	..	102.2	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	5.9	3.6	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.41	0.40	0.31
Secure Internet servers (per million people)	257.0	304.2	3.4

# Benin

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	8	9	796
Urban population (% of total)	40	42	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	570	780	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.9	4.2	5.7
Adult literacy rate (% ages 15 and older)	35	42	61
Gross primary, secondary, tertiary school enrollment (%)	58	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	..	P	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.4	5.4	..
Telecommunications investment (% of revenue)	35.0	25.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.0	1.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.8	79.9	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04	0.05
Households with a computer (%)	1.6 <sup>a</sup>	2.5 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.0 <sup>a</sup>	0.1 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	100.0	6.5	..
Domestic mobile traffic (minutes/subscriber/month)	..	32.6	..
Individuals using the Internet (%)	1.3	3.1	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	43	90	..
Fixed (wired)-broadband subscriptions (% of total Internet)	2.9	..	..
International Internet bandwidth (bit/s per Internet user)	484	2,245	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.0	8.8
Mobile-cellular sub-basket (\$ a month)	..	13.0	13.0
Fixed-broadband sub-basket (\$ a month)	..	50.1	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	..	..
ICT goods imports (% of total goods imports)	2.9	..	..
ICT service exports (% of total service exports)	2.8	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.19	0.20	0.20
Secure Internet servers (per million people)	0.1	0.8	0.8

# Bermuda

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.06	0.06	1,127
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.3	0.3	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	70	66	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.9	..	2.6
Telecommunications investment (% of revenue)	11.3	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	81.8	89.0 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	82.2	135.8 <sup>a</sup>	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	28.83	61.75 <sup>a</sup>	26.54
Households with a computer (%)	67.9	94.4 <sup>a</sup>	77.1
Households with Internet access at home (%)	62.8 <sup>a</sup>	90.5 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	194.8	..	..
Individuals using the Internet (%)	65.4	84.2 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	98	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.8	..	96.0
International Internet bandwidth (bit/s per Internet user)	10,555	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	3.4	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	1,714.6	5,897.8	1,068.0

# Bhutan

	South Asia		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.66	0.73	2,519
Urban population (% of total)	31	37	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,070	1,870	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.3	8.8	6.4
Adult literacy rate (% ages 15 and older)	53	..	71
Gross primary, secondary, tertiary school enrollment (%)	54	66	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	P	C	
Foreign ownership (percentage allowed)	70	1-70	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.0	2.5	3.4
Telecommunications investment (% of revenue)	81.1	21.1	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	5.0	3.6	6.0
Mobile-cellular telephone subscriptions (per 100 people)	5.5	54.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	1.20	1.04
Households with a computer (%)	2.6	6.4 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.2	4.9 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	56.1	..	..
Individuals using the Internet (%)	3.8	13.6	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	5	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	88.3	57.1
International Internet bandwidth (bit/s per Internet user)	237	3,343	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	3.4	5.3
Mobile-cellular sub-basket (\$ a month)	..	4.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	10.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.9	11.3	8.3
ICT goods imports (% of total goods imports)	5.3	2.5	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.31	0.35	0.31
Secure Internet servers (per million people)	..	5.4	3.4



## Latin America & Caribbean

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	9	10	2,519
Urban population (% of total)	64	67	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,030	1,810	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	4.7	6.4
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)	81	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	25-100	25-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.6	7.3	3.4
Telecommunications investment (% of revenue)	3.8	18.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	7.1	8.5	6.0
Mobile-cellular telephone subscriptions (per 100 people)	26.5	72.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.14	0.97	1.04
Households with a computer (%)	12.1	17.0 <sup>a</sup>	11.3
Households with Internet access at home (%)	3.5	3.9 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	15.6	..
Individuals using the Internet (%)	5.2	20.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	46	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	84.2	57.1
International Internet bandwidth (bit/s per Internet user)	832 <sup>a</sup>	4,271	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	23.7	5.3
Mobile-cellular sub-basket (\$ a month)	..	11.3	10.7
Fixed-broadband sub-basket (\$ a month)	..	35.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	3.9	3.4	10.4
ICT service exports (% of total service exports)	7.6	11.8	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.49	0.41	0.31
Secure Internet servers (per million people)	2.4	9.5	3.4

# Bosnia and Herzegovina

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	2,452
Urban population (% of total)	46	49	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,000	4,770	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.0	3.2	6.3
Adult literacy rate (% ages 15 and older)	97	98	93
Gross primary, secondary, tertiary school enrollment (%)	69	71	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.2	5.3	2.4
Telecommunications investment (% of revenue)	36.5	19.2	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	25.6	26.6	21.5
Mobile-cellular telephone subscriptions (per 100 people)	42.2	82.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.36	8.18	8.34
Households with a computer (%)	20.0	33.7 <sup>a</sup>	35.2
Households with Internet access at home (%)	6.2 <sup>a</sup>	18.1 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	20.1	3.2
Domestic mobile traffic (minutes/subscriber/month)	36.3	113.6	137.9
Individuals using the Internet (%)	21.3	52.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	97	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6	58.9	69.0
International Internet bandwidth (bit/s per Internet user)	192	15,650	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.3	9.8
Mobile-cellular sub-basket (\$ a month)	..	15.4	14.9
Fixed-broadband sub-basket (\$ a month)	..	14.4	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.1	15.5
ICT goods imports (% of total goods imports)	4.2	2.9	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.45	0.37	0.46
Secure Internet servers (per million people)	3.4	20.3	20.1

# Botswana

## Sub-Saharan Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	2,452
Urban population (% of total)	57	61	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,070	6,740	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.8	2.4	6.3
Adult literacy rate (% ages 15 and older)	81	84	93
Gross primary, secondary, tertiary school enrollment (%)	72	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.1	3.5	2.4
Telecommunications investment (% of revenue)	48.9	122.2	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	7.3	6.8	21.5
Mobile-cellular telephone subscriptions (per 100 people)	30.1	117.8	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.60	8.34
Households with a computer (%)	2.2 <sup>a</sup>	6.5 <sup>a</sup>	35.2
Households with Internet access at home (%)	0.1 <sup>a</sup>	2.8 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	45.5	29.2	137.9
Individuals using the Internet (%)	3.3 <sup>a</sup>	6.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	..	83.5	69.0
International Internet bandwidth (bit/s per Internet user)	490	6,436	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	18.7	9.8
Mobile-cellular sub-basket (\$ a month)	..	13.2	14.9
Fixed-broadband sub-basket (\$ a month)	..	29.7	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.3	15.5
ICT goods imports (% of total goods imports)	4.7	3.1	15.0
ICT service exports (% of total service exports)	2.7	5.5	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.36	0.36	0.46
Secure Internet servers (per million people)	1.6	8.9	20.1

# Brazil

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	186	195	2,452
Urban population (% of total)	84	87	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,960	9,390	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	4.2	6.3
Adult literacy rate (% ages 15 and older)	90	90	93
Gross primary, secondary, tertiary school enrollment (%)	87	87	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.2	4.9	2.4
Telecommunications investment (% of revenue)	17.4	13.7	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	21.4	21.6	21.5
Mobile-cellular telephone subscriptions (per 100 people)	46.4	104.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.74	6.81	8.34
Households with a computer (%)	18.5	34.9	35.2
Households with Internet access at home (%)	13.6	27.1	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	30.9	60.9	137.9
Individuals using the Internet (%)	21.0	40.7	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	88	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	74.1	63.2	69.0
International Internet bandwidth (bit/s per Internet user)	716	12,619 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	23.0	9.8
Mobile-cellular sub-basket (\$ a month)	..	57.2	14.9
Fixed-broadband sub-basket (\$ a month)	..	16.9	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	3.1	1.0	15.5
ICT goods imports (% of total goods imports)	12.1	9.5	15.0
ICT service exports (% of total service exports)	2.0	2.0	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.67	0.46
Secure Internet servers (per million people)	14.2	54.2	20.1

# Brunei Darussalam

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.36	0.40	1,127
Urban population (% of total)	74	76	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,210	31,800	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	0.0	0.6
Adult literacy rate (% ages 15 and older)	93	95	98
Gross primary, secondary, tertiary school enrollment (%)	84	83	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	<i>P</i>	<i>P</i>	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>P</i>	<i>P</i>	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	23.1	20.0	44.4
Mobile-cellular telephone subscriptions (per 100 people)	64.1	109.1	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	2.24	5.44	26.54
Households with a computer (%)	55.0	79.6 <sup>a</sup>	77.1
Households with Internet access at home (%)	50.0	71.3 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	36.5	50.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	45.2	20.0	96.0
International Internet bandwidth (bit/s per Internet user)	4,191	25,068 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.7	21.2
Mobile-cellular sub-basket (\$ a month)	..	15.7	22.3
Fixed-broadband sub-basket (\$ a month)	..	50.5	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	..	10.4
ICT goods imports (% of total goods imports)	6.1	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.59	0.68
Secure Internet servers (per million people)	13.8	113.3	1,068.0

# Bulgaria

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	8	8	2,452
Urban population (% of total)	70	72	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,640	6,280	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	2.6	6.3
Adult literacy rate (% ages 15 and older)	98	98	93
Gross primary, secondary, tertiary school enrollment (%)	76	78	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.0	3.2	2.4
Telecommunications investment (% of revenue)	34.5	35.5	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	32.2	29.7	21.5
Mobile-cellular telephone subscriptions (per 100 people)	80.7	136.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.14	14.52	8.34
Households with a computer (%)	17.9 <sup>a</sup>	35.1	35.2
Households with Internet access at home (%)	13.3 <sup>a</sup>	33.1	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	5.9	7.8	3.2
Domestic mobile traffic (minutes/subscriber/month)	37.8	108.9	137.9
Individuals using the Internet (%)	20.0	46.2	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	80.0	99.7	69.0
International Internet bandwidth (bit/s per Internet user)	881	64,192	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	12.5	9.8
Mobile-cellular sub-basket (\$ a month)	..	30.6	14.9
Fixed-broadband sub-basket (\$ a month)	..	13.4	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.5	2.5	15.5
ICT goods imports (% of total goods imports)	5.5	5.6	15.0
ICT service exports (% of total service exports)	4.0	8.9	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.49	0.46
Secure Internet servers (per million people)	8.7	139.0	20.1

# Burkina Faso

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	14	16	796
Urban population (% of total)	18	20	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	550	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.1	5.0	5.7
Adult literacy rate (% ages 15 and older)	24	..	61
Gross primary, secondary, tertiary school enrollment (%)	28	39	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	C	P	
Internet service	C	P	
Foreign ownership (percentage allowed)	51-100	51-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	..	..
Telecommunications investment (% of revenue)	55.8	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.6	0.9	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.5	34.7	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.09	0.05
Households with a computer (%)	1.4	2.1 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.0 <sup>a</sup>	0.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	27.7	..	..
Individuals using the Internet (%)	0.5	1.4 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	26	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	4.6	49.4	..
International Internet bandwidth (bit/s per Internet user)	1,079	3,474	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.9	8.8
Mobile-cellular sub-basket (\$ a month)	..	21.2	13.0
Fixed-broadband sub-basket (\$ a month)	..	82.5	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.0	..
ICT goods imports (% of total goods imports)	4.5	2.5	..
ICT service exports (% of total service exports)	2.4	10.5	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.15	0.29	0.20
Secure Internet servers (per million people)	0.1	0.6	0.8

# Burundi

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	7	8	796
Urban population (% of total)	10	11	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	100	170	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	4.1	5.7
Adult literacy rate (% ages 15 and older)	59	67	61
Gross primary, secondary, tertiary school enrollment (%)	39	64	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	.. <sup>b</sup>	.. <sup>b</sup>	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	3.1	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.4 <sup>a</sup>	0.4 <sup>a</sup>	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	13.7 <sup>a</sup>	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	0.05
Households with a computer (%)	..	..	2.8
Households with Internet access at home (%)	..	..	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	4.0	..
Individuals using the Internet (%)	0.5	2.1	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	82	83	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	3.2	..
International Internet bandwidth (bit/s per Internet user)	102 <sup>a</sup>	91 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.4	..
ICT goods imports (% of total goods imports)	5.6	5.8	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.18	0.15	0.20
Secure Internet servers (per million people)	0.1	0.1	0.8



# Cambodia

## East Asia & Pacific

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	13	14	796
Urban population (% of total)	20	23	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	750	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	9.1	6.4	5.7
Adult literacy rate (% ages 15 and older)	74	78	61
Gross primary, secondary, tertiary school enrollment (%)	60	62	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	P	C	
Internet service	P	C	
Foreign ownership (percentage allowed)	49-100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	0.4	5.5	..
Telecommunications investment (% of revenue)	..	69.8	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.2	2.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	8.0	57.7	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 <sup>a</sup>	0.25	0.05
Households with a computer (%)	1.8 <sup>a</sup>	4.3 <sup>a</sup>	2.8
Households with Internet access at home (%)	..	0.4 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	11.1	..	..
Individuals using the Internet (%)	0.3	1.3	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	75	99	..
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	86.7	..
International Internet bandwidth (bit/s per Internet user)	425 <sup>a</sup>	28,067 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	7.4	8.8
Mobile-cellular sub-basket (\$ a month)	..	6.7	13.0
Fixed-broadband sub-basket (\$ a month)	..	47.0	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.1	..
ICT goods imports (% of total goods imports)	2.3	2.5	..
ICT service exports (% of total service exports)	3.8	5.5	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.30	0.19	0.20
Secure Internet servers (per million people)	0.1	2.5	0.8

# Cameroon

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	18	20	2,519
Urban population (% of total)	54	58	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	930	1,200	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.8	2.9	6.4
Adult literacy rate (% ages 15 and older)	71	..	71
Gross primary, secondary, tertiary school enrollment (%)	53	64	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	.. <sup>b</sup>	.. <sup>b</sup>	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.1	3.8	3.4
Telecommunications investment (% of revenue)	28.3	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.6	2.8	6.0
Mobile-cellular telephone subscriptions (per 100 people)	12.8	44.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01 <sup>a</sup>	1.04
Households with a computer (%)	3.0	5.4 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.1 <sup>a</sup>	1.5 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.1	6.1
Domestic mobile traffic (minutes/subscriber/month)	1.6	7.0	..
Individuals using the Internet (%)	1.4	4.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	54	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	..	57.1
International Internet bandwidth (bit/s per Internet user)	630	411	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	15.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	20.1	10.7
Fixed-broadband sub-basket (\$ a month)	..	80.2	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	3.3	2.6	10.4
ICT service exports (% of total service exports)	5.8	3.6	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.27	0.30	0.31
Secure Internet servers (per million people)	0.1	1.0	3.4

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	32	34	1,127
Urban population (% of total)	80	81	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	33,110	43,250	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.5	0.9	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	47-100	47-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.5	2.7	2.6
Telecommunications investment (% of revenue)	16.2	19.5	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	56.2	50.0 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	52.7	70.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	21.70	29.81	26.54
Households with a computer (%)	72.0	83.9 <sup>a</sup>	77.1
Households with Internet access at home (%)	64.3	78.2 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	71.7	81.6 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	97	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	78.9	93.8	96.0
International Internet bandwidth (bit/s per Internet user)	9,403 <sup>a</sup>	54,039 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	19.4	21.2
Mobile-cellular sub-basket (\$ a month)	..	34.3	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	3.9	2.8	10.4
ICT goods imports (% of total goods imports)	9.1	8.4	12.5
ICT service exports (% of total service exports)	10.0	11.4	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.82	0.89	0.68
Secure Internet servers (per million people)	569.1	1,368.6	1,068.0

# Cape Verde

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.47	0.50	2,519
Urban population (% of total)	57	61	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,080	3,270	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.2	6.6	6.4
Adult literacy rate (% ages 15 and older)	81	85	71
Gross primary, secondary, tertiary school enrollment (%)	..	75	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	40	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	7.5	3.9	3.4
Telecommunications investment (% of revenue)	19.1	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	15.1	14.5	6.0
Mobile-cellular telephone subscriptions (per 100 people)	17.3	75.0	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.20	3.22	1.04
Households with a computer (%)	6.7 <sup>a</sup>	11.3 <sup>a</sup>	11.3
Households with Internet access at home (%)	2.0 <sup>a</sup>	3.5 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	33.8	12.9	6.1
Domestic mobile traffic (minutes/subscriber/month)	46.6	65.9	..
Individuals using the Internet (%)	6.1	30.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	85	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	14.4	95.7	57.1
International Internet bandwidth (bit/s per Internet user)	487	3,058	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	41.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	31.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.5	..	8.3
ICT goods imports (% of total goods imports)	3.9	7.5	10.4
ICT service exports (% of total service exports)	7.0	4.5	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.42	0.44	0.31
Secure Internet servers (per million people)	2.1	16.0	3.4

# Cayman Islands

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.05	0.06	1,127
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	99	..	98
Gross primary, secondary, tertiary school enrollment (%)	66	72	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	72.7 <sup>a</sup>	66.4	44.4
Mobile-cellular telephone subscriptions (per 100 people)	154.9	177.6	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	33.53	26.54
Households with a computer (%)	54.8	71.9 <sup>a</sup>	77.1
Households with Internet access at home (%)	50.7 <sup>a</sup>	66.2 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	38.0	66.0 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	784.4	1,902.9	1,068.0

# Central African Republic

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	796
Urban population (% of total)	38	39	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	340	470	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-1.6	2.8	5.7
Adult literacy rate (% ages 15 and older)	49	55	61
Gross primary, secondary, tertiary school enrollment (%)	31	41	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.1	2.9	..
Telecommunications investment (% of revenue)	..	46.8	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.2	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.5	22.2	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	0.05
Households with a computer (%)	..	..	2.8
Households with Internet access at home (%)	..	..	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.5	..
Domestic mobile traffic (minutes/subscriber/month)	..	23.9	..
Individuals using the Internet (%)	0.3	2.3	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	19	55	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	..
International Internet bandwidth (bit/s per Internet user)	143	378 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.1	8.8
Mobile-cellular sub-basket (\$ a month)	..	12.9	13.0
Fixed-broadband sub-basket (\$ a month)	..	1,329.5	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	..
ICT goods imports (% of total goods imports)	2.4	6.8	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.14	0.00	0.20
Secure Internet servers (per million people)	0.2	0.2	0.8

## Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	10	11	796
Urban population (% of total)	25	28	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	430	620	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	17.2	0.2	5.7
Adult literacy rate (% ages 15 and older)	28	34	61
Gross primary, secondary, tertiary school enrollment (%)	38	46	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	..	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.1	0.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	23.8	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.05
Households with a computer (%)	..	0.6 <sup>a</sup>	2.8
Households with Internet access at home (%)	..	0.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.4	1.7 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	24	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	3.2	..
International Internet bandwidth (bit/s per Internet user)	90	101	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	16.7	8.8
Mobile-cellular sub-basket (\$ a month)	..	15.4	13.0
Fixed-broadband sub-basket (\$ a month)	..	11.8	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.10	0.10	0.20
Secure Internet servers (per million people)	..	..	0.8

# Channel Islands

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.15	0.15	1,127
Urban population (% of total)	31	31	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	57,380	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-1.2	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	44.4
Mobile-cellular telephone subscriptions (per 100 people)	..	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	..	..	1,068.0



## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	16	17	2,452
Urban population (% of total)	88	89	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,920	10,120	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	3.0	6.3
Adult literacy rate (% ages 15 and older)	96	99	93
Gross primary, secondary, tertiary school enrollment (%)	83	85	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	21.1	20.2	21.5
Mobile-cellular telephone subscriptions (per 100 people)	64.8	116.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	4.35	10.45	8.34
Households with a computer (%)	30.1 <sup>a</sup>	46.8 <sup>a</sup>	35.2
Households with Internet access at home (%)	16.7 <sup>a</sup>	35.0 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	3.7	2.3	3.2
Domestic mobile traffic (minutes/subscriber/month)	55.9	87.3	137.9
Individuals using the Internet (%)	31.2 <sup>a</sup>	45.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	78.2	98.3	69.0
International Internet bandwidth (bit/s per Internet user)	2,500 <sup>a</sup>	19,140	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	25.0	9.8
Mobile-cellular sub-basket (\$ a month)	..	23.7	14.9
Fixed-broadband sub-basket (\$ a month)	..	39.4	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.4	15.5
ICT goods imports (% of total goods imports)	6.8	8.2	15.0
ICT service exports (% of total service exports)	3.1	2.2	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.58	0.75	0.46
Secure Internet servers (per million people)	21.0	67.5	20.1

# China

	East Asia & Pacific		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1,304	1,338	2,452
Urban population (% of total)	40	45	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,740	4,270	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	9.8	11.1	6.3
Adult literacy rate (% ages 15 and older)	91	94	93
Gross primary, secondary, tertiary school enrollment (%)	67	70	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	P	..	
Internet service	C	..	
Foreign ownership (percentage allowed)	49-50	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.2	2.0	2.4
Telecommunications investment (% of revenue)	35.9	44.2	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	26.8	21.9	21.5
Mobile-cellular telephone subscriptions (per 100 people)	30.1	64.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.86	9.42	8.34
Households with a computer (%)	25.0	35.4 <sup>a</sup>	35.2
Households with Internet access at home (%)	11.0	23.7 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	1.3	1.3	3.2
Domestic mobile traffic (minutes/subscriber/month)	132.5	190.4	137.9
Individuals using the Internet (%)	8.5	34.3	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	97	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	93.2	69.0
International Internet bandwidth (bit/s per Internet user)	1,221	2,389	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.7	9.8
Mobile-cellular sub-basket (\$ a month)	..	6.0	14.9
Fixed-broadband sub-basket (\$ a month)	..	17.8	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	30.7	29.1	15.5
ICT goods imports (% of total goods imports)	25.3	20.4	15.0
ICT service exports (% of total service exports)	3.1	6.1	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.50	0.53	0.46
Secure Internet servers (per million people)	0.3	2.4	20.1

# Colombia

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	43	46	2,452
Urban population (% of total)	74	75	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,940	5,510	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.7	4.4	6.3
Adult literacy rate (% ages 15 and older)	93	93	93
Gross primary, secondary, tertiary school enrollment (%)	79	85	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	70	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.3	4.2	2.4
Telecommunications investment (% of revenue)	..	17.8	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	17.8	15.5	21.5
Mobile-cellular telephone subscriptions (per 100 people)	50.8	96.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.74	5.60	8.34
Households with a computer (%)	14.6	26.1	35.2
Households with Internet access at home (%)	6.2	19.3	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	48.4	323.2	137.9
Individuals using the Internet (%)	11.0	36.5	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	82	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	46.3	97.0	69.0
International Internet bandwidth (bit/s per Internet user)	4,701	10,245	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.9	9.8
Mobile-cellular sub-basket (\$ a month)	..	16.9	14.9
Fixed-broadband sub-basket (\$ a month)	..	35.2	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	15.5
ICT goods imports (% of total goods imports)	13.0	9.6	15.0
ICT service exports (% of total service exports)	8.9	6.2	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.53	0.84	0.46
Secure Internet servers (per million people)	4.4	21.2	20.1

# Comoros

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.64	0.74	796
Urban population (% of total)	28	28	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	610	750	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	1.3	5.7
Adult literacy rate (% ages 15 and older)	68	74	61
Gross primary, secondary, tertiary school enrollment (%)	60	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	..	M	
Internet service	M	M	
Foreign ownership (percentage allowed)	.. <sup>c</sup>	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.0	5.2	..
Telecommunications investment (% of revenue)	25.6	13.8	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	2.6	2.9	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.4	22.5	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02 <sup>a</sup>	0.05
Households with a computer (%)	3.0	5.7 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.8 <sup>a</sup>	2.4 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.2	5.1 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	40	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	4.1	..
International Internet bandwidth (bit/s per Internet user)	96	4,430	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.0	8.8
Mobile-cellular sub-basket (\$ a month)	..	24.3	13.0
Fixed-broadband sub-basket (\$ a month)	..	387.5	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	..	..
ICT goods imports (% of total goods imports)	2.7	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.19	0.08	0.20
Secure Internet servers (per million people)	4.7	4.0	0.8

# Congo, Dem. Rep.

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	57	66	796
Urban population (% of total)	32	35	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	120	180	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.4	5.4	5.7
Adult literacy rate (% ages 15 and older)	67	67	61
Gross primary, secondary, tertiary school enrollment (%)	49	54	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	..	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	70	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.6	4.9	..
Telecommunications investment (% of revenue)	89.2	18.6	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.0	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.8	17.9	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	0.05
Households with a computer (%)	0.2 <sup>a</sup>	0.3 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.2 <sup>a</sup>	0.3 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	9.5	3.2	..
Domestic mobile traffic (minutes/subscriber/month)	51.2	55.1	..
Individuals using the Internet (%)	0.2 <sup>a</sup>	0.7	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	50	50	..
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3	11.5	..
International Internet bandwidth (bit/s per Internet user)	37	232	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.22	0.18	0.20
Secure Internet servers (per million people)	0.1	0.2	0.8

# Congo, Rep.

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	2,519
Urban population (% of total)	60	62	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	980	2,240	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.7	4.8	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	61	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	..	C	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.7	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.5	0.2	6.0
Mobile-cellular telephone subscriptions (per 100 people)	15.8	94.0	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	1.04
Households with a computer (%)	1.4	3.8 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.5	3.3 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.5	5.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	39	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	57.1
International Internet bandwidth (bit/s per Internet user)	19 <sup>a</sup>	49 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.27	0.08	0.31
Secure Internet servers (per million people)	0.6	1.2	3.4

# Costa Rica

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	5	2,452
Urban population (% of total)	62	64	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,680	6,810	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.3	4.0	6.3
Adult literacy rate (% ages 15 and older)	95	96	93
Gross primary, secondary, tertiary school enrollment (%)	74	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	M	M	
Internet service	M	P	
Foreign ownership (percentage allowed)	49-77	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.3	2.1	2.4
Telecommunications investment (% of revenue)	25.8	49.1	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	32.2	31.8	21.5
Mobile-cellular telephone subscriptions (per 100 people)	25.6	65.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.04	6.19	8.34
Households with a computer (%)	27.0	41.3	35.2
Households with Internet access at home (%)	10.2	24.1	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	19.2	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	152.2	162.0	137.9
Individuals using the Internet (%)	22.1	36.5	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	86	70	99
Fixed (wired)-broadband subscriptions (% of total Internet)	60.6	66.2	69.0
International Internet bandwidth (bit/s per Internet user)	689	12,686	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	6.9	9.8
Mobile-cellular sub-basket (\$ a month)	..	3.4	14.9
Fixed-broadband sub-basket (\$ a month)	..	7.0	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	23.7	19.9	15.5
ICT goods imports (% of total goods imports)	23.7	17.7	15.0
ICT service exports (% of total service exports)	11.0	26.6	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.51	0.50	0.46
Secure Internet servers (per million people)	62.0	111.3	20.1

# Côte d'Ivoire

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	18	20	2,519
Urban population (% of total)	47	50	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	870	1,160	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.2	2.4	6.4
Adult literacy rate (% ages 15 and older)	49	55	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.0	6.7	3.4
Telecommunications investment (% of revenue)	29.1	19.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.4	1.4	6.0
Mobile-cellular telephone subscriptions (per 100 people)	13.0	76.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 <sup>a</sup>	0.04 <sup>a</sup>	1.04
Households with a computer (%)	1.3	1.8 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.5	1.1 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	106.4	44.4	..
Individuals using the Internet (%)	1.0	2.6 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	55	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	6.9	..	57.1
International Internet bandwidth (bit/s per Internet user)	296	7,794	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	19.6	5.3
Mobile-cellular sub-basket (\$ a month)	..	13.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	40.1	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.6	0.2	8.3
ICT goods imports (% of total goods imports)	3.8	3.3	10.4
ICT service exports (% of total service exports)	10.9	11.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.19	0.33	0.31
Secure Internet servers (per million people)	0.3	0.9	3.4



	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	1,127
Urban population (% of total)	57	58	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,730	13,890	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.6	0.8	0.6
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	78	80	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.9	4.6	2.6
Telecommunications investment (% of revenue)	14.5	13.4	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	42.4	42.4	44.4
Mobile-cellular telephone subscriptions (per 100 people)	82.2	144.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	2.62	18.25	26.54
Households with a computer (%)	32.7	60.0	77.1
Households with Internet access at home (%)	25.0	56.5	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	16.5	14.7	..
Domestic mobile traffic (minutes/subscriber/month)	65.7	81.2	..
Individuals using the Internet (%)	33.1	60.3	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	12.2	45.7	96.0
International Internet bandwidth (bit/s per Internet user)	3,241	42,920 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	17.0	21.2
Mobile-cellular sub-basket (\$ a month)	..	17.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	18.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.6	2.1	10.4
ICT goods imports (% of total goods imports)	6.1	5.5	12.5
ICT service exports (% of total service exports)	3.3	3.6	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.64	0.68
Secure Internet servers (per million people)	39.6	224.7	1,068.0

# Cuba

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	11	11	2,452
Urban population (% of total)	76	76	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,960	5,460	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.6	5.0	6.3
Adult literacy rate (% ages 15 and older)	100	100	93
Gross primary, secondary, tertiary school enrollment (%)	86	96	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	M	M	
Internet service	P	P	
Foreign ownership (percentage allowed)	49-50	49-50	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.9	..	2.4
Telecommunications investment (% of revenue)	7.5	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	7.6	10.3	21.5
Mobile-cellular telephone subscriptions (per 100 people)	1.2	8.9	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	8.34
Households with a computer (%)	0.2 <sup>a</sup>	3.4 <sup>a</sup>	35.2
Households with Internet access at home (%)	0.0	0.6 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	26.5	15.2	3.2
Domestic mobile traffic (minutes/subscriber/month)	53.0	29.2	137.9
Individuals using the Internet (%)	9.7	15.9	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	71	78	99
Fixed (wired)-broadband subscriptions (% of total Internet)	5.8	9.2	69.0
International Internet bandwidth (bit/s per Internet user)	95	220	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	0.3	9.8
Mobile-cellular sub-basket (\$ a month)	..	33.9	14.9
Fixed-broadband sub-basket (\$ a month)	..	1,752.7	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.9	..	15.5
ICT goods imports (% of total goods imports)	2.6	..	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.40	0.31	0.46
Secure Internet servers (per million people)	0.1	0.1	20.1

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.13	0.14	1,127
Urban population (% of total)	..	..	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	44.4
Mobile-cellular telephone subscriptions (per 100 people)	..	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	..	..	1,068.0

# Cyprus

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	1	1,127
Urban population (% of total)	69	70	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,490	29,430	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	2.4	0.6
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, tertiary school enrollment (%)	78	85	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	.. <sup>d</sup>	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.9	3.6	2.6
Telecommunications investment (% of revenue)	15.0	18.6	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	40.7	37.4	44.4
Mobile-cellular telephone subscriptions (per 100 people)	75.8	93.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	3.09	17.62	26.54
Households with a computer (%)	46.0	60.5	77.1
Households with Internet access at home (%)	31.7	53.7	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	57.5	55.3	..
Domestic mobile traffic (minutes/subscriber/month)	174.0	237.0	..
Individuals using the Internet (%)	32.8	53.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	35.0	94.1	96.0
International Internet bandwidth (bit/s per Internet user)	1,328	51,636	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	23.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	7.7	22.3
Fixed-broadband sub-basket (\$ a month)	..	20.6	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	25.0	9.1	10.4
ICT goods imports (% of total goods imports)	10.8	4.8	12.5
ICT service exports (% of total service exports)	4.1	2.3	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.60	0.56	0.68
Secure Internet servers (per million people)	175.3	1,121.3	1,068.0

# Czech Republic

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	10	11	1,127
Urban population (% of total)	74	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,330	17,890	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.6	2.3	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	81	85	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	..	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	3.4	2.6
Telecommunications investment (% of revenue)	13.0	11.9	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	31.5	22.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	115.2	137.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	6.94	14.50	26.54
Households with a computer (%)	30.0	64.1	77.1
Households with Internet access at home (%)	19.1	60.5	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	7.4	8.9	..
Domestic mobile traffic (minutes/subscriber/month)	50.3	84.9	..
Individuals using the Internet (%)	35.3	68.8	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	30.1	99.5	96.0
International Internet bandwidth (bit/s per Internet user)	13,652	69,245 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	26.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	28.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	31.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	11.1	15.0	10.4
ICT goods imports (% of total goods imports)	11.2	17.8	12.5
ICT service exports (% of total service exports)	8.8	8.6	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.67	0.54	0.68
Secure Internet servers (per million people)	41.5	387.3	1,068.0

# Denmark

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	6	1,127
Urban population (% of total)	86	87	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	48,590	59,400	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.2	-0.6	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	103	99	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.6	2.3	2.6
Telecommunications investment (% of revenue)	17.2	17.5	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	61.8	47.4	44.4
Mobile-cellular telephone subscriptions (per 100 people)	100.5	124.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	24.80	37.70	26.54
Households with a computer (%)	84.0	88.0	77.1
Households with Internet access at home (%)	74.9	86.1	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	18.1	..
Domestic mobile traffic (minutes/subscriber/month)	99.1	129.2	..
Individuals using the Internet (%)	82.7	88.7	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	74.3	96.6	96.0
International Internet bandwidth (bit/s per Internet user)	42,028 <sup>a</sup>	142,158 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	27.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	9.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	43.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	7.1	3.6	10.4
ICT goods imports (% of total goods imports)	12.4	7.9	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.91	0.86	0.68
Secure Internet servers (per million people)	411.3	2,184.6	1,068.0

## Middle East & North Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.81	0.89	2,519
Urban population (% of total)	86	88	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	990	1,270	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.0	5.2	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	25	30	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	<i>M</i>	<i>M</i>	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.8	5.7	3.4
Telecommunications investment (% of revenue)	25.6	14.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.3	2.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	5.4	18.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.91	1.04
Households with a computer (%)	6.8	13.0 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.6	2.2 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	124.9	6.1
Domestic mobile traffic (minutes/subscriber/month)	50.2	32.0	..
Individuals using the Internet (%)	1.0	6.5	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	75	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.2	67.9	57.1
International Internet bandwidth (bit/s per Internet user)	5,838	14,489	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	14.9	10.7
Fixed-broadband sub-basket (\$ a month)	..	55.8	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	0.1	8.3
ICT goods imports (% of total goods imports)	..	5.4	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.23	0.20	0.31
Secure Internet servers (per million people)	1.2	5.5	3.4

# Dominica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.07	0.07	2,452
Urban population (% of total)	73	75	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,210	6,740	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	3.5	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	..	73	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	M	C	
Internet service	..	C	
Foreign ownership (percentage allowed)	49-50	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	8.2	7.9	2.4
Telecommunications investment (% of revenue)	..	12.5	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	27.6	22.9	21.5
Mobile-cellular telephone subscriptions (per 100 people)	75.4	155.8	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	4.93	13.86	8.34
Households with a computer (%)	..	..	35.2
Households with Internet access at home (%)	..	..	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	14.6	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	58.4	137.9
Individuals using the Internet (%)	38.5	47.5	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	90	99
Fixed (wired)-broadband subscriptions (% of total Internet)	54.0	98.9	69.0
International Internet bandwidth (bit/s per Internet user)	1,432	67,028	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.7	9.8
Mobile-cellular sub-basket (\$ a month)	..	14.5	14.9
Fixed-broadband sub-basket (\$ a month)	..	47.8	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	2.5	15.5
ICT goods imports (% of total goods imports)	8.3	4.8	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.37	0.29	0.46
Secure Internet servers (per million people)	116.1	454.6	20.1



# Dominican Republic

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	9	10	2,452
Urban population (% of total)	67	71	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,900	5,030	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	6.7	6.3
Adult literacy rate (% ages 15 and older)	88	..	93
Gross primary, secondary, tertiary school enrollment (%)	73	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	0.4	2.2	2.4
Telecommunications investment (% of revenue)	192.0	17.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	9.7	10.2	21.5
Mobile-cellular telephone subscriptions (per 100 people)	39.1	89.6	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.65	3.63	8.34
Households with a computer (%)	8.7	16.4 <sup>a</sup>	35.2
Households with Internet access at home (%)	3.1	7.6 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	30.2	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	84.1	137.9
Individuals using the Internet (%)	11.5	39.5	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	81	99
Fixed (wired)-broadband subscriptions (% of total Internet)	45.1	94.9	69.0
International Internet bandwidth (bit/s per Internet user)	2,914 <sup>a</sup>	10,193	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	15.5	9.8
Mobile-cellular sub-basket (\$ a month)	..	15.6	14.9
Fixed-broadband sub-basket (\$ a month)	..	19.0	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	7.1	2.3	15.5
ICT goods imports (% of total goods imports)	4.3	4.8	15.0
ICT service exports (% of total service exports)	3.4	4.5	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.49	0.54	0.46
Secure Internet servers (per million people)	5.6	20.3	20.1

# Ecuador

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	13	14	2,452
Urban population (% of total)	64	67	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,620	3,850	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.6	3.6	6.3
Adult literacy rate (% ages 15 and older)	84	84	93
Gross primary, secondary, tertiary school enrollment (%)	79	82	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	12.5	14.4	21.5
Mobile-cellular telephone subscriptions (per 100 people)	46.5	102.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.20	1.37	8.34
Households with a computer (%)	17.9	27.0	35.2
Households with Internet access at home (%)	2.5	11.5	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.3	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	134.4	137.9
Individuals using the Internet (%)	6.0 <sup>a</sup>	29.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	80	93	99
Fixed (wired)-broadband subscriptions (% of total Internet)	19.5	40.8	69.0
International Internet bandwidth (bit/s per Internet user)	2,485	8,254	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	14.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	13.8	14.9
Fixed-broadband sub-basket (\$ a month)	..	20.2	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	15.5
ICT goods imports (% of total goods imports)	11.1	6.3	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.48	0.46	0.46
Secure Internet servers (per million people)	4.0	19.7	20.1

# Egypt, Arab Rep.

## Middle East & North Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	74	81	2,519
Urban population (% of total)	43	43	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,250	2,420	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.4	6.2	6.4
Adult literacy rate (% ages 15 and older)	71	..	71
Gross primary, secondary, tertiary school enrollment (%)	74	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	3.2	3.4
Telecommunications investment (% of revenue)	29.2	50.7	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	14.1	11.9	6.0
Mobile-cellular telephone subscriptions (per 100 people)	18.4	87.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.19	1.79	1.04
Households with a computer (%)	..	34.0	11.3
Households with Internet access at home (%)	15.3	31.2	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	8.2	6.4	6.1
Domestic mobile traffic (minutes/subscriber/month)	32.5	119.6	..
Individuals using the Internet (%)	11.7	26.7	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	92	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.5	68.5	57.1
International Internet bandwidth (bit/s per Internet user)	287	6,591	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.9	5.3
Mobile-cellular sub-basket (\$ a month)	..	7.0	10.7
Fixed-broadband sub-basket (\$ a month)	..	8.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	8.3
ICT goods imports (% of total goods imports)	4.4	3.7	10.4
ICT service exports (% of total service exports)	2.6	4.2	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.48	0.60	0.31
Secure Internet servers (per million people)	0.5	3.0	3.4

# El Salvador

## Latin America & Caribbean

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	6	6	2,519
Urban population (% of total)	60	61	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,820	3,380	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.3	1.2	6.4
Adult literacy rate (% ages 15 and older)	84	84	71
Gross primary, secondary, tertiary school enrollment (%)	72	71	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.1	3.5	3.4
Telecommunications investment (% of revenue)	13.6	165.8	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	16.1	16.2	6.0
Mobile-cellular telephone subscriptions (per 100 people)	39.9	124.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.70	2.83	1.04
Households with a computer (%)	7.4	13.3	11.3
Households with Internet access at home (%)	2.1	8.0	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	23.7	6.1
Domestic mobile traffic (minutes/subscriber/month)	33.2	..	..
Individuals using the Internet (%)	4.2 <sup>a</sup>	15.9 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	95	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	33.2	99.3	57.1
International Internet bandwidth (bit/s per Internet user)	610 <sup>a</sup>	1,523	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.2	5.3
Mobile-cellular sub-basket (\$ a month)	..	9.5	10.7
Fixed-broadband sub-basket (\$ a month)	..	24.9	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.3	8.3
ICT goods imports (% of total goods imports)	3.6	5.6	10.4
ICT service exports (% of total service exports)	13.4	17.7	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.50	0.67	0.31
Secure Internet servers (per million people)	6.1	16.9	3.4

# Equatorial Guinea

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.61	0.70	1,127
Urban population (% of total)	39	40	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,220	14,550	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	25.9	8.9	0.6
Adult literacy rate (% ages 15 and older)	87	93	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	C	
Internet service	M	C	
Foreign ownership (percentage allowed)	..	1-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.6	1.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	15.9	57.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.17	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.1	6.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0	..	96.0
International Internet bandwidth (bit/s per Internet user)	2,404	4,069	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.10	0.68
Secure Internet servers (per million people)	..	2.8	1,068.0

# Eritrea

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	5	796
Urban population (% of total)	19	22	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	340	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	-1.3	5.7
Adult literacy rate (% ages 15 and older)	53	67	61
Gross primary, secondary, tertiary school enrollment (%)	33	28	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.1	3.2	..
Telecommunications investment (% of revenue)	57.6	70.0	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.8	1.0	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.9	3.5	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.05
Households with a computer (%)	0.2	0.3 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.2 <sup>a</sup>	0.3 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	44.9	..
Domestic mobile traffic (minutes/subscriber/month)	81.4	87.2	..
Individuals using the Internet (%)	1.8	5.4	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	2	90	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	1.7	..
International Internet bandwidth (bit/s per Internet user)	75	106	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	..	..
ICT goods imports (% of total goods imports)	3.0	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.20	0.21	0.20
Secure Internet servers (per million people)	..	..	0.8

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	1	1,127
Urban population (% of total)	69	70	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,760	14,460	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.0	-1.3	0.6
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, tertiary school enrollment (%)	93	89	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.5	4.9	2.6
Telecommunications investment (% of revenue)	8.2	9.2	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	32.8	36.0	44.4
Mobile-cellular telephone subscriptions (per 100 people)	107.4	123.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	13.31	25.08	26.54
Households with a computer (%)	43.0	69.2	77.1
Households with Internet access at home (%)	38.7	67.8	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	6.9	9.6	..
Domestic mobile traffic (minutes/subscriber/month)	75.0	122.7	..
Individuals using the Internet (%)	61.5	74.1	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	91.0	99.6	96.0
International Internet bandwidth (bit/s per Internet user)	5,804	23,144	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.5	21.2
Mobile-cellular sub-basket (\$ a month)	..	22.3	22.3
Fixed-broadband sub-basket (\$ a month)	..	21.0	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	17.0	7.8	10.4
ICT goods imports (% of total goods imports)	13.0	9.5	12.5
ICT service exports (% of total service exports)	4.1	8.9	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.76	0.82	0.68
Secure Internet servers (per million people)	101.8	533.6	1,068.0

# Ethiopia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	74	83	796
Urban population (% of total)	16	18	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	160	390	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.6	10.4	5.7
Adult literacy rate (% ages 15 and older)	36	30	61
Gross primary, secondary, tertiary school enrollment (%)	44	55	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	M	
Internet service	M	M	
Foreign ownership (percentage allowed)	0	0	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.2	1.5	..
Telecommunications investment (% of revenue)	82.1	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.6	8.3	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00 <sup>a</sup>	0.00	0.05
Households with a computer (%)	0.2	1.4 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.0 <sup>a</sup>	0.3 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	13.5	5.4	..
Domestic mobile traffic (minutes/subscriber/month)	90.9	111.5	..
Individuals using the Internet (%)	0.2	0.8 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	10	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	5.7	..
International Internet bandwidth (bit/s per Internet user)	356 <sup>a</sup>	5,357	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.0	8.8
Mobile-cellular sub-basket (\$ a month)	..	4.1	13.0
Fixed-broadband sub-basket (\$ a month)	..	294.5	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.2	..
ICT goods imports (% of total goods imports)	7.0	8.4	..
ICT service exports (% of total service exports)	4.1	4.5	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.19	0.47	0.20
Secure Internet servers (per million people)	0.0	0.2	0.8



# Faeroe Islands

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.05	0.05	1,127
Urban population (% of total)	40	43	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	49.4	41.4	44.4
Mobile-cellular telephone subscriptions (per 100 people)	87.1	122.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	12.16	33.40	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	73.1	82.1	..
Individuals using the Internet (%)	67.9	75.2	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	99.4	96.0
International Internet bandwidth (bit/s per Internet user)	4,883	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	10.4
ICT goods imports (% of total goods imports)	4.3	4.3	12.5
ICT service exports (% of total service exports)	2.8	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	62.6	923.9	1,068.0

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.82	0.86	2,519
Urban population (% of total)	51	53	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,590	3,630	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	0.1	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	78	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	M	C	
Internet service	..	C	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.7	..	3.4
Telecommunications investment (% of revenue)	20.2	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	13.7 <sup>a</sup>	15.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	24.9	81.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.85	2.70	1.04
Households with a computer (%)	13.0	26.8 <sup>a</sup>	11.3
Households with Internet access at home (%)	8.0	18.8 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	8.5	14.8 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	60	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	52.6	59.6	57.1
International Internet bandwidth (bit/s per Internet user)	1,035	4,900 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	7.8	5.3
Mobile-cellular sub-basket (\$ a month)	..	18.8	10.7
Fixed-broadband sub-basket (\$ a month)	..	18.3	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.8	8.3
ICT goods imports (% of total goods imports)	4.7	4.6	10.4
ICT service exports (% of total service exports)	3.7	1.3	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.42	0.36	0.31
Secure Internet servers (per million people)	8.5	36.8	3.4

# Finland

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	5	1,127
Urban population (% of total)	62	64	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	38,550	47,570	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	0.4	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	101	100	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.7	2.7	2.6
Telecommunications investment (% of revenue)	9.8	12.3	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	40.4	23.3	44.4
Mobile-cellular telephone subscriptions (per 100 people)	100.5	156.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	22.39	28.57	26.54
Households with a computer (%)	63.9	82.0	77.1
Households with Internet access at home (%)	54.1	80.5	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	171.5	177.5	..
Individuals using the Internet (%)	74.5	86.9	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	57.1	..	96.0
International Internet bandwidth (bit/s per Internet user)	5,790 <sup>a</sup>	107,267 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	16.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	13.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	35.4	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	20.3	6.4	10.4
ICT goods imports (% of total goods imports)	14.3	8.2	12.5
ICT service exports (% of total service exports)	11.2	24.5	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.75	0.88	0.68
Secure Internet servers (per million people)	308.2	1,489.3	1,068.0

# France

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	63	65	1,127
Urban population (% of total)	77	78	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,890	42,370	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.5	0.4	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	94	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.4	2.3	2.6
Telecommunications investment (% of revenue)	15.6	13.5	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	55.3	56.2	44.4
Mobile-cellular telephone subscriptions (per 100 people)	78.8	100.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	15.53	34.00	26.54
Households with a computer (%)	54.3 <sup>a</sup>	76.4	77.1
Households with Internet access at home (%)	34.4	73.6	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	13.6	19.9	..
Domestic mobile traffic (minutes/subscriber/month)	138.0	136.4	..
Individuals using the Internet (%)	42.9	80.1	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99 <sup>a</sup>	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	97.9	96.0
International Internet bandwidth (bit/s per Internet user)	7,648	69,593 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	26.6	21.2
Mobile-cellular sub-basket (\$ a month)	..	48.6	22.3
Fixed-broadband sub-basket (\$ a month)	..	30.1	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	6.3	4.4	10.4
ICT goods imports (% of total goods imports)	8.5	7.3	12.5
ICT service exports (% of total service exports)	4.3	4.2	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.80	0.88	0.68
Secure Internet servers (per million people)	76.3	355.6	1,068.0

# French Polynesia

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.25	0.27	1,127
Urban population (% of total)	52	52	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	20.9	20.3	44.4
Mobile-cellular telephone subscriptions (per 100 people)	47.1	79.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	4.32	11.91	26.54
Households with a computer (%)	45.0	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	9.1	9.4	..
Domestic mobile traffic (minutes/subscriber/month)	116.7	103.8	..
Individuals using the Internet (%)	21.5	49.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	96	80	100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.5	98.5	96.0
International Internet bandwidth (bit/s per Internet user)	1,639	13,190	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.8	10.4
ICT goods imports (% of total goods imports)	5.1	6.0	12.5
ICT service exports (% of total service exports)	..	2.5	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	58.9	109.6	1,068.0

# Gabon

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	2	2,452
Urban population (% of total)	84	86	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,110	7,650	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	2.5	6.3
Adult literacy rate (% ages 15 and older)	84	88	93
Gross primary, secondary, tertiary school enrollment (%)	..	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.7	..	2.4
Telecommunications investment (% of revenue)	12.4	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	2.9	2.0	21.5
Mobile-cellular telephone subscriptions (per 100 people)	53.7	106.9	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.11	0.27	8.34
Households with a computer (%)	3.0	7.6 <sup>a</sup>	35.2
Households with Internet access at home (%)	2.0	6.0 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	4.9	7.2 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	78	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	17.7	18.4	69.0
International Internet bandwidth (bit/s per Internet user)	2,982	52,083	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	9.8
Mobile-cellular sub-basket (\$ a month)	..	..	14.9
Fixed-broadband sub-basket (\$ a month)	..	..	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	3.7	3.5	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.32	0.19	0.46
Secure Internet servers (per million people)	5.8	8.5	20.1

# Gambia, The

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	796
Urban population (% of total)	54	58	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	450	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	4.9	5.7
Adult literacy rate (% ages 15 and older)	37	46	61
Gross primary, secondary, tertiary school enrollment (%)	..	54	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	.. <sup>b</sup>	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	2.9	2.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	16.5	85.5	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.05
Households with a computer (%)	2.9 <sup>a</sup>	5.7 <sup>a</sup>	2.8
Households with Internet access at home (%)	1.0 <sup>a</sup>	3.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	14.7	..	..
Individuals using the Internet (%)	3.8 <sup>a</sup>	9.2	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6	..	..
International Internet bandwidth (bit/s per Internet user)	158 <sup>a</sup>	1,063	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.4	8.8
Mobile-cellular sub-basket (\$ a month)	..	6.3	13.0
Fixed-broadband sub-basket (\$ a month)	..	307.3	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.2	0.4	..
ICT goods imports (% of total goods imports)	5.0	1.5	..
ICT service exports (% of total service exports)	..	17.8	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.23	0.32	0.20
Secure Internet servers (per million people)	1.3	2.8	0.8

# Georgia

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	2,519
Urban population (% of total)	53	53	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,360	2,690	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.5	4.6	6.4
Adult literacy rate (% ages 15 and older)	100	100	71
Gross primary, secondary, tertiary school enrollment (%)	76	72	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.2	3.7	3.4
Telecommunications investment (% of revenue)	30.9	30.1	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	12.7	25.4	6.0
Mobile-cellular telephone subscriptions (per 100 people)	26.2	91.4	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.05 <sup>a</sup>	5.83	1.04
Households with a computer (%)	1.8 <sup>a</sup>	18.2	11.3
Households with Internet access at home (%)	1.0 <sup>a</sup>	16.6	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	17.0	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	66.8	..
Individuals using the Internet (%)	6.1 <sup>a</sup>	26.9	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	95	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	99.9	57.1
International Internet bandwidth (bit/s per Internet user)	118 <sup>a</sup>	21,354 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	11.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	39.4	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.2	8.3
ICT goods imports (% of total goods imports)	4.4	5.3	10.4
ICT service exports (% of total service exports)	2.8	2.2	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.46	0.60	0.31
Secure Internet servers (per million people)	4.6	19.0	3.4



# Germany

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	82	82	1,127
Urban population (% of total)	73	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,780	43,070	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.5	0.8	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.0	2.4	2.6
Telecommunications investment (% of revenue)	8.6	10.0	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	66.4	55.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	96.0	127.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	13.07	31.70	26.54
Households with a computer (%)	70.0	85.7	77.1
Households with Internet access at home (%)	61.6	82.5	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	43.0	80.5	..
Individuals using the Internet (%)	68.7	82.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	53.9	..	96.0
International Internet bandwidth (bit/s per Internet user)	9,981 <sup>a</sup>	74,087 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	27.0	21.2
Mobile-cellular sub-basket (\$ a month)	..	13.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	39.4	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	7.9	5.1	10.4
ICT goods imports (% of total goods imports)	11.5	9.2	12.5
ICT service exports (% of total service exports)	7.2	9.1	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.71	0.75	0.68
Secure Internet servers (per million people)	274.2	1,025.6	1,068.0

# Ghana

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	22	24	2,519
Urban population (% of total)	48	52	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	1,250	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	6.6	6.4
Adult literacy rate (% ages 15 and older)	58	67	71
Gross primary, secondary, tertiary school enrollment (%)	53	65	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	3.6	3.4
Telecommunications investment (% of revenue)	..	65.5	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.5	1.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	13.3	71.5	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.21	1.04
Households with a computer (%)	2.0	9.1 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.3	0.4 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	14.6	8.0	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	89.5	..
Individuals using the Internet (%)	1.8	9.6	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	59	77	86
Fixed (wired)-broadband subscriptions (% of total Internet)	17.8	94.3	57.1
International Internet bandwidth (bit/s per Internet user)	424	1,451	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	7.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	7.4	10.7
Fixed-broadband sub-basket (\$ a month)	..	31.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	4.8	7.1	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.30	0.30	0.31
Secure Internet servers (per million people)	0.1	2.2	3.4

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.03	0.03	1,127
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	86.0 <sup>a</sup>	82.1 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	68.8 <sup>a</sup>	102.6 <sup>a</sup>	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	35.68	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	34.1	..
Individuals using the Internet (%)	39.1 <sup>a</sup>	65.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	93.2	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	..	13,741.7	1,068.0

# Greece

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	11	11	1,127
Urban population (% of total)	60	61	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,400	26,950	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	0.1	0.6
Adult literacy rate (% ages 15 and older)	96	97	98
Gross primary, secondary, tertiary school enrollment (%)	99	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.0	3.0	2.6
Telecommunications investment (% of revenue)	9.4	15.7	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	56.4	45.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	91.7	108.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	1.43	19.87	26.54
Households with a computer (%)	33.0	53.4	77.1
Households with Internet access at home (%)	21.7	46.4	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	13.9	16.1	..
Domestic mobile traffic (minutes/subscriber/month)	49.3	45.0	..
Individuals using the Internet (%)	24.0	44.4	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100 <sup>a</sup>	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	98.9	96.0
International Internet bandwidth (bit/s per Internet user)	2,427 <sup>a</sup>	30,998	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	23.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	38.5	22.3
Fixed-broadband sub-basket (\$ a month)	..	18.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.8	2.5	10.4
ICT goods imports (% of total goods imports)	5.7	5.0	12.5
ICT service exports (% of total service exports)	1.7	2.4	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.58	0.68
Secure Internet servers (per million people)	31.4	154.0	1,068.0

# Greenland

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.06	0.06	1,127
Urban population (% of total)	83	84	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	29,690	26,020	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.7	1.5	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	56.2	38.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	81.3	100.1	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	12.46	21.52	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	32.0	66.6 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	0.1	..
Individuals using the Internet (%)	57.7	63.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	90	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	909	12,467	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	..	10.4
ICT goods imports (% of total goods imports)	5.8	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	212.2	1,096.7	1,068.0

# Grenada

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.10	0.10	2,452
Urban population (% of total)	31	31	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,570	6,960	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	-0.7	6.3
Adult literacy rate (% ages 15 and older)	96	..	93
Gross primary, secondary, tertiary school enrollment (%)	..	91	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	M	C	
Internet service	..	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.9	6.8	2.4
Telecommunications investment (% of revenue)	19.1	13.4	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	26.7	27.2	21.5
Mobile-cellular telephone subscriptions (per 100 people)	45.6	116.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	3.14	13.82	8.34
Households with a computer (%)	..	..	35.2
Households with Internet access at home (%)	..	..	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	100.5	46.6	3.2
Domestic mobile traffic (minutes/subscriber/month)	133.5	200.9	137.9
Individuals using the Internet (%)	20.5	33.5 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	57.3	100.0	69.0
International Internet bandwidth (bit/s per Internet user)	19,505	100,111 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	12.3	9.8
Mobile-cellular sub-basket (\$ a month)	..	14.5	14.9
Fixed-broadband sub-basket (\$ a month)	..	29.3	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.5	2.0	15.5
ICT goods imports (% of total goods imports)	4.8	4.4	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.45	0.35	0.46
Secure Internet servers (per million people)	29.2	76.3	20.1

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.17	0.18	1,127
Urban population (% of total)	93	93	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	38.9 <sup>a</sup>	36.4 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	59.1	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	1.56	1.67 <sup>a</sup>	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	38.6	50.6 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	106.8	241.6	1,068.0

# Guatemala

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	13	14	2,519
Urban population (% of total)	47	50	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,070	2,740	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	3.6	6.4
Adult literacy rate (% ages 15 and older)	69	74	71
Gross primary, secondary, tertiary school enrollment (%)	68	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	9.8	10.4	6.0
Mobile-cellular telephone subscriptions (per 100 people)	35.5	125.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.21	1.80 <sup>a</sup>	1.04
Households with a computer (%)	8.4	15.8 <sup>a</sup>	11.3
Households with Internet access at home (%)	2.1	3.0 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	32.1	10.4	6.1
Domestic mobile traffic (minutes/subscriber/month)	51.4	40.2	..
Individuals using the Internet (%)	5.7	10.5 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	76	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	57.1
International Internet bandwidth (bit/s per Internet user)	974	3,971	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.6	5.3
Mobile-cellular sub-basket (\$ a month)	..	7.8	10.7
Fixed-broadband sub-basket (\$ a month)	..	32.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.9	8.3
ICT goods imports (% of total goods imports)	6.0	6.8	10.4
ICT service exports (% of total service exports)	14.0	14.3	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.43	0.46	0.31
Secure Internet servers (per million people)	5.5	13.8	3.4



	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	9	10	796
Urban population (% of total)	33	35	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	360	400	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.6	2.2	5.7
Adult literacy rate (% ages 15 and older)	29	39	61
Gross primary, secondary, tertiary school enrollment (%)	46	52	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.3 <sup>a</sup>	0.2	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	40.1	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	0.05
Households with a computer (%)	..	1.5 <sup>a</sup>	2.8
Households with Internet access at home (%)	..	1.0 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.5	1.0 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	80	80	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	..
International Internet bandwidth (bit/s per Internet user)	41 <sup>a</sup>	1,503	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.6	8.8
Mobile-cellular sub-basket (\$ a month)	..	4.1	13.0
Fixed-broadband sub-basket (\$ a month)	..	800.0	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	..
ICT goods imports (% of total goods imports)	0.7	5.2	..
ICT service exports (% of total service exports)	0.8	21.6	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.14	0.00	0.20
Secure Internet servers (per million people)	..	0.5	0.8

# Guinea-Bissau

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	2	796
Urban population (% of total)	30	30	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	410	590	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.9	3.0	5.7
Adult literacy rate (% ages 15 and older)	41	52	61
Gross primary, secondary, tertiary school enrollment (%)	62	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.7	0.3 <sup>a</sup>	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.2	39.2 <sup>a</sup>	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	0.05
Households with a computer (%)	..	1.9 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.7	1.3 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.9	2.5 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	65	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	0.0	..
International Internet bandwidth (bit/s per Internet user)	2 <sup>a</sup>	54 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	1.8	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.15	0.10	0.20
Secure Internet servers (per million people)	..	0.6	0.8

## Latin America & Caribbean

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.75	0.76	2,519
Urban population (% of total)	28	29	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,090	2,870	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.8	4.1	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	78	69	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	C	P	
Internet service	..	P	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.3	5.8	3.4
Telecommunications investment (% of revenue)	50.0	38.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	14.8	19.9	6.0
Mobile-cellular telephone subscriptions (per 100 people)	37.7	73.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.27	1.48	1.04
Households with a computer (%)	5.9	6.5 <sup>a</sup>	11.3
Households with Internet access at home (%)	2.7	5.1 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	21.7	16.0	6.1
Domestic mobile traffic (minutes/subscriber/month)	24.7	36.6	..
Individuals using the Internet (%)	..	29.9	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	95	95	86
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	68.2	57.1
International Internet bandwidth (bit/s per Internet user)	..	6,383	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.6	5.3
Mobile-cellular sub-basket (\$ a month)	..	9.4	10.7
Fixed-broadband sub-basket (\$ a month)	..	19.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.1	8.3
ICT goods imports (% of total goods imports)	1.9	2.9	10.4
ICT service exports (% of total service exports)	22.8	20.7	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.44	0.25	0.31
Secure Internet servers (per million people)	1.3	9.3	3.4

# Haiti

## Latin America & Caribbean

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	9	10	796
Urban population (% of total)	43	50	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	670	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.7	1.2	5.7
Adult literacy rate (% ages 15 and older)	49	..	61
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.6 <sup>a</sup>	0.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.4 <sup>a</sup>	40.0	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	0.05
Households with a computer (%)	2.0	5.9 <sup>a</sup>	2.8
Households with Internet access at home (%)	1.0	2.7 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	6.4	8.4 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	..
International Internet bandwidth (bit/s per Internet user)	260 <sup>a</sup>	108	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.21	0.09	0.20
Secure Internet servers (per million people)	0.6	1.2	0.8

# Honduras

## Latin America & Caribbean

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	7	8	2,519
Urban population (% of total)	47	49	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,400	1,870	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	3.3	6.4
Adult literacy rate (% ages 15 and older)	84	..	71
Gross primary, secondary, tertiary school enrollment (%)	..	72	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	M	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	4-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.0	6.2	3.4
Telecommunications investment (% of revenue)	23.5	8.5	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	7.2	8.8	6.0
Mobile-cellular telephone subscriptions (per 100 people)	18.6	125.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	1.00 <sup>a</sup>	1.04
Households with a computer (%)	6.3	12.9 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.5	6.0 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	25.3	14.7	6.1
Domestic mobile traffic (minutes/subscriber/month)	43.0	24.9	..
Individuals using the Internet (%)	6.5	11.1	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	90	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.0	57.1
International Internet bandwidth (bit/s per Internet user)	1,118 <sup>a</sup>	5,932 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	6.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	8.9	10.7
Fixed-broadband sub-basket (\$ a month)	..	22.1	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.1	0.1	8.3
ICT goods imports (% of total goods imports)	5.6	6.3	10.4
ICT service exports (% of total service exports)	20.5	25.2	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.40	0.38	0.31
Secure Internet servers (per million people)	4.4	7.7	3.4

# Hong Kong SAR, China

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	7	7	1,127
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	28,150	32,780	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	3.4	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	74	83	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.7	3.5	2.6
Telecommunications investment (% of revenue)	18.3	11.0	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	55.7	61.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	125.5	195.6	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	24.36	29.93	26.54
Households with a computer (%)	70.1	77.9	77.1
Households with Internet access at home (%)	64.6	76.4	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	63.8	..
Domestic mobile traffic (minutes/subscriber/month)	..	139.5	..
Individuals using the Internet (%)	56.9	72.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	63.1	72.2	96.0
International Internet bandwidth (bit/s per Internet user)	16,936	776,625	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.5	21.2
Mobile-cellular sub-basket (\$ a month)	..	1.4	22.3
Fixed-broadband sub-basket (\$ a month)	..	19.1	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	38.3	44.2	10.4
ICT goods imports (% of total goods imports)	38.2	42.8	12.5
ICT service exports (% of total service exports)	1.9	1.8	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	162.3	567.5	1,068.0

# Hungary

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	10	10	1,127
Urban population (% of total)	66	68	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,220	12,860	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.2	-0.6	0.6
Adult literacy rate (% ages 15 and older)	99	99	98
Gross primary, secondary, tertiary school enrollment (%)	89	89	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.6	3.8	2.6
Telecommunications investment (% of revenue)	9.1	9.8	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	33.9	29.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	92.4	120.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	6.46	19.59	26.54
Households with a computer (%)	42.0	66.4	77.1
Households with Internet access at home (%)	22.1	60.5	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	6.8	8.9	..
Domestic mobile traffic (minutes/subscriber/month)	84.5	117.8	..
Individuals using the Internet (%)	39.0	65.3	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.7	99.2	96.0
International Internet bandwidth (bit/s per Internet user)	8,904	9,975	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	21.2	21.2
Mobile-cellular sub-basket (\$ a month)	..	25.7	22.3
Fixed-broadband sub-basket (\$ a month)	..	20.7	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	25.6	25.6	10.4
ICT goods imports (% of total goods imports)	18.7	21.3	12.5
ICT service exports (% of total service exports)	5.6	8.5	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.65	0.69	0.68
Secure Internet servers (per million people)	30.0	219.8	1,068.0

# Iceland

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.30	0.32	1,127
Urban population (% of total)	92	92	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	49,620	32,640	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.0	0.1	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	96	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.8	2.8	2.6
Telecommunications investment (% of revenue)	19.5	12.1	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	65.3	60.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	95.4	106.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	26.29	34.11	26.54
Households with a computer (%)	89.0	93.0	77.1
Households with Internet access at home (%)	84.4	92.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	18.7	19.0	..
Domestic mobile traffic (minutes/subscriber/month)	125.4	176.7	..
Individuals using the Internet (%)	87.0	95.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	89.6	95.7	96.0
International Internet bandwidth (bit/s per Internet user)	4,803	290,995	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	16.5	21.2
Mobile-cellular sub-basket (\$ a month)	..	16.6	22.3
Fixed-broadband sub-basket (\$ a month)	..	24.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	10.4
ICT goods imports (% of total goods imports)	6.4	4.2	12.5
ICT service exports (% of total service exports)	3.8	4.4	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.72	0.54	0.68
Secure Internet servers (per million people)	1,004.3	3,001.4	1,068.0



	South Asia		Lower middle income
			Lower middle-income group
	Country data		2010
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1,140	1,225	2,519
Urban population (% of total)	29	30	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	720	1,270	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.0	8.2	6.4
Adult literacy rate (% ages 15 and older)	63	..	71
Gross primary, secondary, tertiary school enrollment (%)	60	65	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	49-100	10-74	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.4	2.3	3.4
Telecommunications investment (% of revenue)	224.2	221.7	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.4	2.9	6.0
Mobile-cellular telephone subscriptions (per 100 people)	7.9	61.4	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.12	0.90	1.04
Households with a computer (%)	2.0 <sup>a</sup>	6.1 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.6 <sup>a</sup>	4.2 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	5.6	4.9	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	2.4 <sup>a</sup>	7.5 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	31	83	86
Fixed (wired)-broadband subscriptions (% of total Internet)	19.4	58.8	57.1
International Internet bandwidth (bit/s per Internet user)	735	5,825	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	3.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	3.4	10.7
Fixed-broadband sub-basket (\$ a month)	..	5.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.1	2.0	8.3
ICT goods imports (% of total goods imports)	7.6	6.6	10.4
ICT service exports (% of total service exports)	44.6	47.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.38	0.54	0.31
Secure Internet servers (per million people)	0.6	2.9	3.4

# Indonesia

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	227	240	2,519
Urban population (% of total)	48	54	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,220	2,500	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	5.7	6.4
Adult literacy rate (% ages 15 and older)	92	92	71
Gross primary, secondary, tertiary school enrollment (%)	65	76	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	35	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.2	..	3.4
Telecommunications investment (% of revenue)	28.3	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	5.9	15.8 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	20.6	91.7 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.05 <sup>a</sup>	0.79 <sup>a</sup>	1.04
Households with a computer (%)	3.7	10.8	11.3
Households with Internet access at home (%)	1.0	3.9 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.6	9.9	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	90	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.8	57.5	57.1
International Internet bandwidth (bit/s per Internet user)	184 <sup>a</sup>	2,948 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	7.8	10.7
Fixed-broadband sub-basket (\$ a month)	..	21.6	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	8.1	5.1	8.3
ICT goods imports (% of total goods imports)	3.6	8.6	10.4
ICT service exports (% of total service exports)	8.9	7.4	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.41	0.50	0.31
Secure Internet servers (per million people)	0.5	3.4	3.4

# Iran, Islamic Rep.

## Middle East & North Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	70	74	2,452
Urban population (% of total)	67	70	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,550	4,520	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.9	4.5	6.3
Adult literacy rate (% ages 15 and older)	82	85	93
Gross primary, secondary, tertiary school enrollment (%)	64	71	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	C	
Internet service	P	C	
Foreign ownership (percentage allowed)	0-49	0-49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.4	..	2.4
Telecommunications investment (% of revenue)	74.5	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	29.2	36.3 <sup>a</sup>	21.5
Mobile-cellular telephone subscriptions (per 100 people)	12.2	91.2 <sup>a</sup>	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.14	0.68 <sup>a</sup>	8.34
Households with a computer (%)	9.0	33.7 <sup>a</sup>	35.2
Households with Internet access at home (%)	6.6 <sup>a</sup>	20.8 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	2.9	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	8.1 <sup>a</sup>	13.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	75	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	69.0
International Internet bandwidth (bit/s per Internet user)	604 <sup>a</sup>	3,120 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	0.2	9.8
Mobile-cellular sub-basket (\$ a month)	..	3.6	14.9
Fixed-broadband sub-basket (\$ a month)	..	30.5	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	4.6	3.6	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.41	0.49	0.46
Secure Internet servers (per million people)	0.3	1.0	20.1

# Iraq

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	28	32	2,519
Urban population (% of total)	67	66	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,150	2,340	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-7.6	4.7	6.4
Adult literacy rate (% ages 15 and older)	74	78	71
Gross primary, secondary, tertiary school enrollment (%)	63	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	..	P	
Internet service	..	P	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.1	5.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	5.6	75.8	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	1.04
Households with a computer (%)	5.0	18.2	11.3
Households with Internet access at home (%)	..	8.6	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.9 <sup>a</sup>	2.5	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	68	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	72.1	28.5	57.1
International Internet bandwidth (bit/s per Internet user)	130	101	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	1.9	0.6	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.27	0.29	0.31
Secure Internet servers (per million people)	0.0	0.1	3.4

# Ireland

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	1,127
Urban population (% of total)	61	62	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	42,380	41,820	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.9	-0.6	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	96	103	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.4	2.5	2.6
Telecommunications investment (% of revenue)	7.1	11.0	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	49.4	46.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	102.7	105.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	7.76	21.06	26.54
Households with a computer (%)	55.0	76.5	77.1
Households with Internet access at home (%)	47.2	71.7	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	115.4	172.8	..
Individuals using the Internet (%)	41.6	69.9	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	34.8	87.6	96.0
International Internet bandwidth (bit/s per Internet user)	14,211 <sup>a</sup>	64,057 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	26.3	21.2
Mobile-cellular sub-basket (\$ a month)	..	37.3	22.3
Fixed-broadband sub-basket (\$ a month)	..	32.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	22.4	7.5	10.4
ICT goods imports (% of total goods imports)	23.8	10.2	12.5
ICT service exports (% of total service exports)	33.6	39.0	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.73	0.54	0.68
Secure Internet servers (per million people)	353.9	1,145.0	1,068.0

# Isle of Man

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.08	0.08	1,127
Urban population (% of total)	51	51	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	38,610	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.8	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	44.4
Mobile-cellular telephone subscriptions (per 100 people)	..	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	25.0	1,164.1	1,068.0

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	7	8	1,127
Urban population (% of total)	92	92	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,250	27,180	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	3.9	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	92	92	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	..	
Foreign ownership (percentage allowed)	40-89	49-80	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.1	4.0	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	44.5	44.2 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	117.4	133.1 <sup>a</sup>	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	18.62	25.14 <sup>a</sup>	26.54
Households with a computer (%)	60.0	77.0	77.1
Households with Internet access at home (%)	42.0	69.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	25.2	67.2	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.3	98.2	96.0
International Internet bandwidth (bit/s per Internet user)	10,217 <sup>a</sup>	8,024 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	15.7	21.2
Mobile-cellular sub-basket (\$ a month)	..	34.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	8.1	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	7.5	12.3	10.4
ICT goods imports (% of total goods imports)	9.7	9.2	12.5
ICT service exports (% of total service exports)	27.8	33.0	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.74	0.85	0.68
Secure Internet servers (per million people)	162.8	471.2	1,068.0

# Italy

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	59	60	1,127
Urban population (% of total)	68	68	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	30,880	35,700	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.9	-0.6	0.6
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	90	91	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.0	2.1	2.6
Telecommunications investment (% of revenue)	18.6	18.5	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	42.7	35.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	121.9	149.6	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	11.63	21.90	26.54
Households with a computer (%)	46.0	64.8	77.1
Households with Internet access at home (%)	38.6	59.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	87.7	112.1	..
Individuals using the Internet (%)	35.0	53.7	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	38.5	99.0	96.0
International Internet bandwidth (bit/s per Internet user)	5,834 <sup>a</sup>	61,531	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	25.6	21.2
Mobile-cellular sub-basket (\$ a month)	..	29.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	3.1	2.1	10.4
ICT goods imports (% of total goods imports)	7.1	7.4	12.5
ICT service exports (% of total service exports)	3.2	8.9	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.67	0.58	0.68
Secure Internet servers (per million people)	44.2	191.5	1,068.0



## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	3	2,452
Urban population (% of total)	53	54	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,910	4,800	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	-0.2	6.3
Adult literacy rate (% ages 15 and older)	..	86	93
Gross primary, secondary, tertiary school enrollment (%)	71	83	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.5	5.4	2.4
Telecommunications investment (% of revenue)	19.0	21.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	11.9	9.6	21.5
Mobile-cellular telephone subscriptions (per 100 people)	73.9	116.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.68	4.26	8.34
Households with a computer (%)	12.7 <sup>a</sup>	20.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	5.1 <sup>a</sup>	11.8 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	41.3	71.7	3.2
Domestic mobile traffic (minutes/subscriber/month)	33.5	191.9	137.9
Individuals using the Internet (%)	12.8 <sup>a</sup>	26.1	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	95	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	96.4	97.9	69.0
International Internet bandwidth (bit/s per Internet user)	5,827	20,967	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.6	9.8
Mobile-cellular sub-basket (\$ a month)	..	12.0	14.9
Fixed-broadband sub-basket (\$ a month)	..	24.7	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.4	15.5
ICT goods imports (% of total goods imports)	5.0	3.9	15.0
ICT service exports (% of total service exports)	7.9	6.4	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.31	0.46
Secure Internet servers (per million people)	14.3	48.3	20.1

# Japan

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	128	127	1,127
Urban population (% of total)	66	67	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	38,950	41,850	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.3	-0.4	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	86	89	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.9	3.0	2.6
Telecommunications investment (% of revenue)	14.3	16.7	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	45.9	31.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	76.3	95.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	18.44	26.91	26.54
Households with a computer (%)	80.5	83.4	77.1
Households with Internet access at home (%)	57.0	81.3	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	23.6	2.9	..
Domestic mobile traffic (minutes/subscriber/month)	97.6	101.2	..
Individuals using the Internet (%)	66.9	78.2	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	44.0	..	96.0
International Internet bandwidth (bit/s per Internet user)	2,601 <sup>a</sup>	15,833	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	26.4	21.2
Mobile-cellular sub-basket (\$ a month)	..	55.9	22.3
Fixed-broadband sub-basket (\$ a month)	..	23.1	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	16.9	10.7	10.4
ICT goods imports (% of total goods imports)	13.5	12.0	12.5
ICT service exports (% of total service exports)	1.4	1.3	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.77	0.86	0.68
Secure Internet servers (per million people)	257.7	743.3	1,068.0

## Middle East & North Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	6	2,452
Urban population (% of total)	78	79	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,490	4,340	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.3	6.0	6.3
Adult literacy rate (% ages 15 and older)	91	..	93
Gross primary, secondary, tertiary school enrollment (%)	80	79	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	8.5	5.9	2.4
Telecommunications investment (% of revenue)	20.5	19.2	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	11.8	7.8	21.5
Mobile-cellular telephone subscriptions (per 100 people)	58.7	107.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.44	3.16	8.34
Households with a computer (%)	23.0	51.4 <sup>a</sup>	35.2
Households with Internet access at home (%)	8.0	22.1 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	15.4	17.0	3.2
Domestic mobile traffic (minutes/subscriber/month)	111.8	242.4	137.9
Individuals using the Internet (%)	12.9	38.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	12.0	78.8	69.0
International Internet bandwidth (bit/s per Internet user)	449 <sup>a</sup>	6,380 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.5	9.8
Mobile-cellular sub-basket (\$ a month)	..	10.5	14.9
Fixed-broadband sub-basket (\$ a month)	..	18.9	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	3.2	1.3	15.5
ICT goods imports (% of total goods imports)	6.9	4.3	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.55	0.39	0.46
Secure Internet servers (per million people)	3.7	25.3	20.1

# Kazakhstan

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	15	16	2,452
Urban population (% of total)	57	59	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,930	7,580	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	10.1	5.7	6.3
Adult literacy rate (% ages 15 and older)	..	100	93
Gross primary, secondary, tertiary school enrollment (%)	91	90	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	P	
Internet service	..	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.8	2.2	2.4
Telecommunications investment (% of revenue)	5.3	16.4	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	17.8	25.3	21.5
Mobile-cellular telephone subscriptions (per 100 people)	35.6	121.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	8.90	8.34
Households with a computer (%)	15.6 <sup>a</sup>	25.1 <sup>a</sup>	35.2
Households with Internet access at home (%)	5.0	23.2 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	7.2	4.5	3.2
Domestic mobile traffic (minutes/subscriber/month)	41.1	68.4	137.9
Individuals using the Internet (%)	3.0	34.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	81	95	99
Fixed (wired)-broadband subscriptions (% of total Internet)	1.0	92.4	69.0
International Internet bandwidth (bit/s per Internet user)	107 <sup>a</sup>	8,592	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.4	9.8
Mobile-cellular sub-basket (\$ a month)	..	14.4	14.9
Fixed-broadband sub-basket (\$ a month)	..	13.2	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	15.5
ICT goods imports (% of total goods imports)	4.0	2.9	15.0
ICT service exports (% of total service exports)	3.3	2.4	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.78	0.46
Secure Internet servers (per million people)	0.9	6.4	20.1

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	36	41	796
Urban population (% of total)	21	22	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	520	810	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.4	4.3	5.7
Adult literacy rate (% ages 15 and older)	74	87	61
Gross primary, secondary, tertiary school enrollment (%)	59	67	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	70	80	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.7	6.0	..
Telecommunications investment (% of revenue)	76.3	28.0	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.8	0.9	1.1
Mobile-cellular telephone subscriptions (per 100 people)	12.9	61.6	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	0.01	0.05
Households with a computer (%)	2.6	4.1 <sup>a</sup>	2.8
Households with Internet access at home (%)	1.2	4.0 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	3.8	3.2	..
Domestic mobile traffic (minutes/subscriber/month)	12.7	84.4	..
Individuals using the Internet (%)	3.1	25.9	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	62	89	..
Fixed (wired)-broadband subscriptions (% of total Internet)	6.7	34.0	..
International Internet bandwidth (bit/s per Internet user)	103	1,926	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	14.2	8.8
Mobile-cellular sub-basket (\$ a month)	..	10.8	13.0
Fixed-broadband sub-basket (\$ a month)	..	37.9	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	1.4	..
ICT goods imports (% of total goods imports)	4.1	7.2	..
ICT service exports (% of total service exports)	9.5	9.8	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.35	0.43	0.20
Secure Internet servers (per million people)	0.3	3.2	0.8

# Kiribati

	East Asia & Pacific		Lower middle income
	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.09	0.10	2,519
Urban population (% of total)	44	44	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,780	2,000	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.3	0.2	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	76	73	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	P	
Internet service	..	C	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.6	4.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	0.7	10.0	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00 <sup>a</sup>	0.90	1.04
Households with a computer (%)	6.0	..	11.3
Households with Internet access at home (%)	2.5	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	4.0 <sup>a</sup>	9.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	57.1
International Internet bandwidth (bit/s per Internet user)	..	2,232 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.5	5.3
Mobile-cellular sub-basket (\$ a month)	..	17.3	10.7
Fixed-broadband sub-basket (\$ a month)	..	383.1	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	1.3	8.1	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.07	0.31
Secure Internet servers (per million people)	..	9.8	3.4

# Korea, Dem. Rep.

## East Asia & Pacific

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	24	24	796
Urban population (% of total)	62	63	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	5.7
Adult literacy rate (% ages 15 and older)	..	100	61
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.2	4.8 <sup>a</sup>	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.0	1.8	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	0.05
Households with a computer (%)	..	..	2.8
Households with Internet access at home (%)	..	..	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.0	0.0 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	0	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	..
International Internet bandwidth (bit/s per Internet user)	..	..	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.12	0.20
Secure Internet servers (per million people)	..	0.0	0.8

# Korea, Rep.

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	48	49	1,127
Urban population (% of total)	81	82	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,900	19,890	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.5	3.4	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	98	101	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	49	49-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.7	4.6	2.6
Telecommunications investment (% of revenue)	14.4	11.9	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	50.8	59.2	44.4
Mobile-cellular telephone subscriptions (per 100 people)	81.5	105.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	25.91	35.68	26.54
Households with a computer (%)	79.7 <sup>a</sup>	81.8	77.1
Households with Internet access at home (%)	92.7	96.8	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	3.2	3.5	..
Domestic mobile traffic (minutes/subscriber/month)	175.8	175.6	..
Individuals using the Internet (%)	73.5	83.7	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	80	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	1,439	11,878	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.3	21.2
Mobile-cellular sub-basket (\$ a month)	..	14.4	22.3
Fixed-broadband sub-basket (\$ a month)	..	24.0	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	30.0	21.4	10.4
ICT goods imports (% of total goods imports)	15.2	11.9	12.5
ICT service exports (% of total service exports)	1.0	1.2	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.83	1.00	0.68
Secure Internet servers (per million people)	20.0	2,536.4	1,068.0



## Europe & Central Asia

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	2,519
Urban population (% of total)	..	..	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,460	3,290	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.9	5.3	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	6.0
Mobile-cellular telephone subscriptions (per 100 people)	..	..	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	57.1
International Internet bandwidth (bit/s per Internet user)	..	..	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.31
Secure Internet servers (per million people)	..	..	3.4

# Kuwait

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	3	1,127
Urban population (% of total)	98	98	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,650	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.9	..	0.6
Adult literacy rate (% ages 15 and older)	93	94	98
Gross primary, secondary, tertiary school enrollment (%)	83	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	P	P	
Foreign ownership (percentage allowed)	25	25	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	..	2.6
Telecommunications investment (% of revenue)	27.0	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	22.3	20.7 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	100.6	160.8 <sup>a</sup>	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	1.68 <sup>a</sup>	26.54
Households with a computer (%)	32.0	37.5 <sup>a</sup>	77.1
Households with Internet access at home (%)	27.0	31.6 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	25.9	38.3 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100 <sup>a</sup>	100
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8	..	96.0
International Internet bandwidth (bit/s per Internet user)	1,503	9,553 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.6	21.2
Mobile-cellular sub-basket (\$ a month)	..	7.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	19.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.3	10.4
ICT goods imports (% of total goods imports)	5.0	6.4	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.52	0.58	0.68
Secure Internet servers (per million people)	35.3	180.2	1,068.0

# Kyrgyz Republic

Europe & Central Asia

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	5	796
Urban population (% of total)	36	37	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	450	830	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	5.0	5.7
Adult literacy rate (% ages 15 and older)	..	99	61
Gross primary, secondary, tertiary school enrollment (%)	79	76	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	37-100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.5	7.9	..
Telecommunications investment (% of revenue)	3.2	18.6	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	8.7	9.2	1.1
Mobile-cellular telephone subscriptions (per 100 people)	10.7	98.9	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.05	0.29 <sup>a</sup>	0.05
Households with a computer (%)	1.0 <sup>a</sup>	4.0 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.8 <sup>a</sup>	3.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	104.9	..
Individuals using the Internet (%)	10.5	20.0 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	96	..
Fixed (wired)-broadband subscriptions (% of total Internet)	16.2	22.4	..
International Internet bandwidth (bit/s per Internet user)	516	281 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.2	8.8
Mobile-cellular sub-basket (\$ a month)	..	3.6	13.0
Fixed-broadband sub-basket (\$ a month)	..	54.6	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.6	..
ICT goods imports (% of total goods imports)	3.3	2.7	..
ICT service exports (% of total service exports)	2.9	3.3	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.42	0.42	0.20
Secure Internet servers (per million people)	0.6	2.5	0.8

# Lao PDR

	East Asia & Pacific		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	6	6	2,519
Urban population (% of total)	27	33	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	470	1,040	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.2	7.8	6.4
Adult literacy rate (% ages 15 and older)	73	..	71
Gross primary, secondary, tertiary school enrollment (%)	60	61	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (percentage allowed)	49-100	49-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.8	3.8	3.4
Telecommunications investment (% of revenue)	63.0	53.8	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.6	1.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	11.4	64.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.19	1.04
Households with a computer (%)	2.0	6.9 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.0	3.4 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	59.6	..	..
Individuals using the Internet (%)	0.9	7.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	55	80	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.0	53.7	57.1
International Internet bandwidth (bit/s per Internet user)	409	2,304	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	6.3	10.7
Fixed-broadband sub-basket (\$ a month)	..	139.7	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.24	0.22	0.31
Secure Internet servers (per million people)	0.3	1.3	3.4

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	2,452
Urban population (% of total)	68	68	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,810	11,640	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.0	-1.8	6.3
Adult literacy rate (% ages 15 and older)	100	100	93
Gross primary, secondary, tertiary school enrollment (%)	91	82	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.0	3.6	2.4
Telecommunications investment (% of revenue)	..	25.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	31.7	23.6 <sup>a</sup>	21.5
Mobile-cellular telephone subscriptions (per 100 people)	81.2	102.4 <sup>a</sup>	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.64	19.31	8.34
Households with a computer (%)	32.0	62.8	35.2
Households with Internet access at home (%)	30.5	59.8	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	72.2	..	137.9
Individuals using the Internet (%)	46.0	71.1	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	98	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	83.2	..	69.0
International Internet bandwidth (bit/s per Internet user)	2,621	29,977	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	10.1	14.9
Fixed-broadband sub-basket (\$ a month)	..	12.8	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.0	5.8	15.5
ICT goods imports (% of total goods imports)	5.8	6.4	15.0
ICT service exports (% of total service exports)	5.3	6.2	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.59	0.59	0.46
Secure Internet servers (per million people)	37.8	205.0	20.1

# Lebanon

	Middle East & North Africa		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	2,452
Urban population (% of total)	87	87	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,710	8,880	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.0	7.1	6.3
Adult literacy rate (% ages 15 and older)	90	..	93
Gross primary, secondary, tertiary school enrollment (%)	78	81	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	C	M	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	7.9	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	15.7	21.0	21.5
Mobile-cellular telephone subscriptions (per 100 people)	24.5 <sup>a</sup>	68.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	3.21	4.73 <sup>a</sup>	8.34
Households with a computer (%)	24.0	31.7 <sup>a</sup>	35.2
Households with Internet access at home (%)	4.4	29.7 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	88.5	44.4	3.2
Domestic mobile traffic (minutes/subscriber/month)	190.6	189.4	137.9
Individuals using the Internet (%)	10.1	31.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	95	99
Fixed (wired)-broadband subscriptions (% of total Internet)	56.5	61.9	69.0
International Internet bandwidth (bit/s per Internet user)	706	1,908	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.3	9.8
Mobile-cellular sub-basket (\$ a month)	..	27.3	14.9
Fixed-broadband sub-basket (\$ a month)	..	23.0	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.8	7.1	15.5
ICT goods imports (% of total goods imports)	3.3	2.8	15.0
ICT service exports (% of total service exports)	2.2	3.0	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.48	0.48	0.46
Secure Internet servers (per million people)	8.4	41.1	20.1

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	2,519
Urban population (% of total)	23	27	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	760	1,090	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.9	4.5	6.4
Adult literacy rate (% ages 15 and older)	86	90	71
Gross primary, secondary, tertiary school enrollment (%)	60	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	0.6	3.0	3.4
Telecommunications investment (% of revenue)	20.9	16.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	2.3	1.8	6.0
Mobile-cellular telephone subscriptions (per 100 people)	12.1	45.5	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00 <sup>a</sup>	0.02 <sup>a</sup>	1.04
Households with a computer (%)	3.0	5.0 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.6	1.3 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	26.2	15.4	..
Individuals using the Internet (%)	2.6 <sup>a</sup>	3.9 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	29	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.8	10.1	57.1
International Internet bandwidth (bit/s per Internet user)	80	310	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	13.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	24.1	10.7
Fixed-broadband sub-basket (\$ a month)	..	51.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	3.3	20.9	8.3
ICT goods imports (% of total goods imports)	1.1	2.7	10.4
ICT service exports (% of total service exports)	5.2	4.5	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.38	0.30	0.31
Secure Internet servers (per million people)	0.5	0.5	3.4

# Liberia

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	4	796
Urban population (% of total)	58	62	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	130	200	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-6.8	6.9	5.7
Adult literacy rate (% ages 15 and older)	54	59	61
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	P	
Internet service	..	C	
Foreign ownership (percentage allowed)	.. <sup>b</sup>	.. <sup>b</sup>	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	8.2	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.1	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.0	39.3	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.05
Households with a computer (%)	0.8	1.1 <sup>a</sup>	2.8
Households with Internet access at home (%)	..	..	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	11.1	..
Domestic mobile traffic (minutes/subscriber/month)	0.0	91.8	..
Individuals using the Internet (%)	0.6	7.0	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	16	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	..
International Internet bandwidth (bit/s per Internet user)	..	197	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.22	0.19	0.20
Secure Internet servers (per million people)	..	1.2	0.8



## Middle East & North Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	6	6	2,452
Urban population (% of total)	77	78	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,460	12,320	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	4.5	6.3
Adult literacy rate (% ages 15 and older)	86	89	93
Gross primary, secondary, tertiary school enrollment (%)	93	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	14.8 <sup>a</sup>	19.3 <sup>a</sup>	21.5
Mobile-cellular telephone subscriptions (per 100 people)	34.7	171.5 <sup>a</sup>	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.16	1.15 <sup>a</sup>	8.34
Households with a computer (%)	5.0	14.6 <sup>a</sup>	35.2
Households with Internet access at home (%)	3.0	9.2 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	84.0	..	137.9
Individuals using the Internet (%)	3.9 <sup>a</sup>	14.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	71	98	99
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	8.2	69.0
International Internet bandwidth (bit/s per Internet user)	442 <sup>a</sup>	11,240 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	9.8
Mobile-cellular sub-basket (\$ a month)	..	..	14.9
Fixed-broadband sub-basket (\$ a month)	..	..	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	15.5
ICT goods imports (% of total goods imports)	..	..	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.35	0.00	0.46
Secure Internet servers (per million people)	0.2	1.4	20.1

# Liechtenstein

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.03	0.04	1,127
Urban population (% of total)	15	14	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	92,780	137,070	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.5	3.0	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	70	71	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	0.8	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	57.7	54.4 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	79.3	98.5 <sup>a</sup>	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	24.84	63.83 <sup>a</sup>	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	63.4	80.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	94	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	54.9	..	96.0
International Internet bandwidth (bit/s per Internet user)	6,822	6,033	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	29.0	21.2
Mobile-cellular sub-basket (\$ a month)	..	23.4	22.3
Fixed-broadband sub-basket (\$ a month)	..	47.1	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.55	0.59	0.68
Secure Internet servers (per million people)	1,412.3	5,772.6	1,068.0

# Lithuania

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	3	2,452
Urban population (% of total)	67	67	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,280	11,510	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.0	0.5	6.3
Adult literacy rate (% ages 15 and older)	100	100	93
Gross primary, secondary, tertiary school enrollment (%)	93	92	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	2.7	2.4
Telecommunications investment (% of revenue)	15.6	13.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	23.5	22.1	21.5
Mobile-cellular telephone subscriptions (per 100 people)	127.5	147.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	6.85	20.58	8.34
Households with a computer (%)	32.0	59.2	35.2
Households with Internet access at home (%)	15.8	60.6	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	6.0	5.4	3.2
Domestic mobile traffic (minutes/subscriber/month)	55.7	11.5	137.9
Individuals using the Internet (%)	36.2	62.1	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	90.9	99.8	69.0
International Internet bandwidth (bit/s per Internet user)	4,030	45,426	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	13.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	9.6	14.9
Fixed-broadband sub-basket (\$ a month)	..	10.3	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	5.3	2.7	15.5
ICT goods imports (% of total goods imports)	6.4	4.1	15.0
ICT service exports (% of total service exports)	3.4	3.7	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.66	0.70	0.46
Secure Internet servers (per million people)	21.7	237.0	20.1

# Luxembourg

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.47	0.51	1,127
Urban population (% of total)	83	82	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	69,300	76,980	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.5	1.5	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	76	75	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.4	1.2	2.6
Telecommunications investment (% of revenue)	18.3	18.6	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	53.5	53.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	111.5	143.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	15.33	33.18	26.54
Households with a computer (%)	75.0	90.2	77.1
Households with Internet access at home (%)	64.6	90.3	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	74.2	69.1	..
Domestic mobile traffic (minutes/subscriber/month)	79.7	78.9	..
Individuals using the Internet (%)	70.0	90.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	58.9	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	29,528	87,584 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	27.0	21.2
Mobile-cellular sub-basket (\$ a month)	..	25.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	38.1	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	7.9	2.9	10.4
ICT goods imports (% of total goods imports)	8.4	4.9	12.5
ICT service exports (% of total service exports)	8.7	5.1	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.75	0.70	0.68
Secure Internet servers (per million people)	473.0	1,886.6	1,068.0

# Macao SAR, China

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.48	0.54	1,127
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	22,800	34,880	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	12.8	10.1	0.6
Adult literacy rate (% ages 15 and older)	93	..	98
Gross primary, secondary, tertiary school enrollment (%)	87	82	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.5	1.8	2.6
Telecommunications investment (% of revenue)	16.8	10.2	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	36.2	30.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	110.7	206.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	14.13	24.16	26.54
Households with a computer (%)	68.1	80.1 <sup>a</sup>	77.1
Households with Internet access at home (%)	56.9 <sup>a</sup>	80.0 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	37.5	35.0	..
Domestic mobile traffic (minutes/subscriber/month)	123.1	..	..
Individuals using the Internet (%)	34.9	56.8 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.8	99.0	96.0
International Internet bandwidth (bit/s per Internet user)	9,534	30,768	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.4	21.2
Mobile-cellular sub-basket (\$ a month)	..	5.7	22.3
Fixed-broadband sub-basket (\$ a month)	..	9.0	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.8	4.6	10.4
ICT goods imports (% of total goods imports)	9.7	12.6	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	54.0	239.3	1,068.0

# Macedonia, FYR

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	2,452
Urban population (% of total)	65	68	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,900	4,570	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	3.4	6.3
Adult literacy rate (% ages 15 and older)	96	97	93
Gross primary, secondary, tertiary school enrollment (%)	70	71	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.5	5.7	2.4
Telecommunications investment (% of revenue)	9.8	14.0	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	26.2	20.0	21.5
Mobile-cellular telephone subscriptions (per 100 people)	55.5	104.5	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.61	12.47	8.34
Households with a computer (%)	24.9	60.3 <sup>a</sup>	35.2
Households with Internet access at home (%)	12.5	49.2 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	15.2	16.8	3.2
Domestic mobile traffic (minutes/subscriber/month)	28.7	102.6	137.9
Individuals using the Internet (%)	26.5 <sup>a</sup>	51.9	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	11.5	99.4	69.0
International Internet bandwidth (bit/s per Internet user)	63 <sup>a</sup>	16,831 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.9	9.8
Mobile-cellular sub-basket (\$ a month)	..	23.4	14.9
Fixed-broadband sub-basket (\$ a month)	..	12.8	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.4	0.4	15.5
ICT goods imports (% of total goods imports)	4.3	4.7	15.0
ICT service exports (% of total service exports)	11.9	14.1	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.49	0.45	0.46
Secure Internet servers (per million people)	0.5	28.6	20.1

# Madagascar

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	18	21	796
Urban population (% of total)	29	30	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	430	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.0	3.1	5.7
Adult literacy rate (% ages 15 and older)	71	64	61
Gross primary, secondary, tertiary school enrollment (%)	62	67	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	66	66-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.6	2.8	..
Telecommunications investment (% of revenue)	32.8	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.5	0.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.9	37.2	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	0.05
Households with a computer (%)	0.5	1.4	2.8
Households with Internet access at home (%)	0.4 <sup>a</sup>	1.1 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	14.7	1.7	..
Domestic mobile traffic (minutes/subscriber/month)	7.7	3.3	..
Individuals using the Internet (%)	0.6	1.7 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	23	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	60.9	..
International Internet bandwidth (bit/s per Internet user)	335	5,512	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	18.2	8.8
Mobile-cellular sub-basket (\$ a month)	..	15.4	13.0
Fixed-broadband sub-basket (\$ a month)	..	90.6	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.2	..
ICT goods imports (% of total goods imports)	4.6	3.1	..
ICT service exports (% of total service exports)	0.5	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.31	0.32	0.20
Secure Internet servers (per million people)	0.2	0.5	0.8

# Malawi

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	13	15	796
Urban population (% of total)	17	20	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	220	330	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.7	7.4	5.7
Adult literacy rate (% ages 15 and older)	..	74	61
Gross primary, secondary, tertiary school enrollment (%)	65	68	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (percentage allowed)	80-100	60-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.4	3.6	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	3.3	20.4	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	0.05
Households with a computer (%)	1.0	4.5 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.6	2.9 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	5.3	..
Individuals using the Internet (%)	0.4	2.3	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	85	..
Fixed (wired)-broadband subscriptions (% of total Internet)	2.7	1.7	..
International Internet bandwidth (bit/s per Internet user)	395	102	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.3	8.8
Mobile-cellular sub-basket (\$ a month)	..	21.2	13.0
Fixed-broadband sub-basket (\$ a month)	..	561.9	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.4	..
ICT goods imports (% of total goods imports)	3.5	5.2	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.22	0.20
Secure Internet servers (per million people)	0.2	0.4	0.8



# Malaysia

## East Asia & Pacific

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	26	28	2,452
Urban population (% of total)	68	72	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,110	7,760	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	4.2	6.3
Adult literacy rate (% ages 15 and older)	89	92	93
Gross primary, secondary, tertiary school enrollment (%)	71	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	30	30	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.6	..	2.4
Telecommunications investment (% of revenue)	22.5	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	16.7	16.1	21.5
Mobile-cellular telephone subscriptions (per 100 people)	74.9	119.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.85	7.32	8.34
Households with a computer (%)	28.2	41.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	15.0 <sup>a</sup>	55.6	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	48.6	56.3	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	93	95	99
Fixed (wired)-broadband subscriptions (% of total Internet)	11.6	29.9	69.0
International Internet bandwidth (bit/s per Internet user)	252 <sup>a</sup>	11,445	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	7.5	14.9
Fixed-broadband sub-basket (\$ a month)	..	20.5	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	43.4	34.0	15.5
ICT goods imports (% of total goods imports)	38.0	29.8	15.0
ICT service exports (% of total service exports)	5.4	7.0	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.61	0.79	0.46
Secure Internet servers (per million people)	14.4	54.4	20.1

# Maldives

	South Asia		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.30	0.32	2,452
Urban population (% of total)	34	41	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,350	5,750	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.1	8.5	6.3
Adult literacy rate (% ages 15 and older)	98	..	93
Gross primary, secondary, tertiary school enrollment (%)	74	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	M	P	
Internet service	M	..	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	9.8	..	2.4
Telecommunications investment (% of revenue)	15.2	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	10.9	15.2	21.5
Mobile-cellular telephone subscriptions (per 100 people)	69.0	156.5	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	4.80	8.34
Households with a computer (%)	26.1 <sup>a</sup>	54.4	35.2
Households with Internet access at home (%)	7.0 <sup>a</sup>	22.9	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	55.8	209.3	137.9
Individuals using the Internet (%)	6.9	28.3	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	91	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	90.7	69.0
International Internet bandwidth (bit/s per Internet user)	2,613	32,328	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	5.7	14.9
Fixed-broadband sub-basket (\$ a month)	..	9.3	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	..	15.5
ICT goods imports (% of total goods imports)	11.2	6.5	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.45	0.33	0.46
Secure Internet servers (per million people)	6.8	84.4	20.1

## Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	13	15	796
Urban population (% of total)	31	33	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	600	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.9	4.7	5.7
Adult literacy rate (% ages 15 and older)	26	..	61
Gross primary, secondary, tertiary school enrollment (%)	38	48	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.7	6.1	..
Telecommunications investment (% of revenue)	25.8	34.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.6	0.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.8	48.4	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.05
Households with a computer (%)	1.0 <sup>a</sup>	3.0 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.7 <sup>a</sup>	1.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	5.0	3.9	..
Domestic mobile traffic (minutes/subscriber/month)	9.9	2.6	..
Individuals using the Internet (%)	0.5	2.7 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	20	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	45.7	9.5	..
International Internet bandwidth (bit/s per Internet user)	389	1,868	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.5	8.8
Mobile-cellular sub-basket (\$ a month)	..	14.4	13.0
Fixed-broadband sub-basket (\$ a month)	..	50.1	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	..
ICT goods imports (% of total goods imports)	2.2	2.6	..
ICT service exports (% of total service exports)	15.7	23.2	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.16	0.32	0.20
Secure Internet servers (per million people)	0.1	0.9	0.8

# Malta

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.40	0.42	1,127
Urban population (% of total)	94	95	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,310	19,130	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.1	2.3	0.6
Adult literacy rate (% ages 15 and older)	92	..	98
Gross primary, secondary, tertiary school enrollment (%)	78	79	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.4	4.5	2.6
Telecommunications investment (% of revenue)	15.1	15.2	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	49.4	59.6	44.4
Mobile-cellular telephone subscriptions (per 100 people)	79.2	109.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	12.56	27.99	26.54
Households with a computer (%)	46.0	73.1	77.1
Households with Internet access at home (%)	40.6	70.4	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	40.3	68.7	..
Individuals using the Internet (%)	41.2	63.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	57.9	97.6	96.0
International Internet bandwidth (bit/s per Internet user)	4,591	19,207 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	12.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	21.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	18.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	45.2	49.1	10.4
ICT goods imports (% of total goods imports)	25.5	18.0	12.5
ICT service exports (% of total service exports)	5.3	2.5	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.66	0.61	0.68
Secure Internet servers (per million people)	331.8	1,669.1	1,068.0

# Marshall Islands

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.05	0.05	2,519
Urban population (% of total)	70	72	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,560	3,640	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.8	0.9	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	69	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.0	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	8.5 <sup>a</sup>	8.1 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	1.3	7.0 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.9	3.5 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	57.1
International Internet bandwidth (bit/s per Internet user)	1,156	23,766	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.14	0.31
Secure Internet servers (per million people)	19.1	111.0	3.4

# Mauritania

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	3	2,519
Urban population (% of total)	40	41	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	720	1,000	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.5	4.3	6.4
Adult literacy rate (% ages 15 and older)	51	57	71
Gross primary, secondary, tertiary school enrollment (%)	47	50	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.8	6.9	3.4
Telecommunications investment (% of revenue)	19.2	23.4	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.3	2.1	6.0
Mobile-cellular telephone subscriptions (per 100 people)	24.5	79.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.19	1.04
Households with a computer (%)	1.6 <sup>a</sup>	3.0 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.6 <sup>a</sup>	1.4 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	8.7	7.1	6.1
Domestic mobile traffic (minutes/subscriber/month)	47.1	40.1	..
Individuals using the Internet (%)	0.7	3.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	26	62	86
Fixed (wired)-broadband subscriptions (% of total Internet)	7.2	60.6	57.1
International Internet bandwidth (bit/s per Internet user)	2,204	2,698 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	18.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	14.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	23.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	1.4	0.9	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.20	0.08	0.31
Secure Internet servers (per million people)	0.3	2.0	3.4

# Mauritius

## Sub-Saharan Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	1	2,452
Urban population (% of total)	42	43	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,360	7,850	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.3	4.6	6.3
Adult literacy rate (% ages 15 and older)	84	88	93
Gross primary, secondary, tertiary school enrollment (%)	75	76	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.4	2.4	2.4
Telecommunications investment (% of revenue)	12.9	332.6	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	28.4	29.8	21.5
Mobile-cellular telephone subscriptions (per 100 people)	52.3	91.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.43	6.10	8.34
Households with a computer (%)	22.5 <sup>a</sup>	37.7	35.2
Households with Internet access at home (%)	15.0 <sup>a</sup>	29.0	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	14.5	17.1	3.2
Domestic mobile traffic (minutes/subscriber/month)	80.8	119.2	137.9
Individuals using the Internet (%)	15.2 <sup>a</sup>	28.3	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3	80.4	69.0
International Internet bandwidth (bit/s per Internet user)	802	9,211	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	6.8	14.9
Fixed-broadband sub-basket (\$ a month)	..	16.4	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	13.3	1.1	15.5
ICT goods imports (% of total goods imports)	12.8	5.1	15.0
ICT service exports (% of total service exports)	2.3	3.8	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.51	0.43	0.46
Secure Internet servers (per million people)	18.5	116.6	20.1

# Mayotte

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.17	0.20	2,452
Urban population (% of total)	..	..	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	..	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	21.5
Mobile-cellular telephone subscriptions (per 100 people)	..	..	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	8.34
Households with a computer (%)	..	..	35.2
Households with Internet access at home (%)	..	..	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	..	..	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	69.0
International Internet bandwidth (bit/s per Internet user)	..	..	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	9.8
Mobile-cellular sub-basket (\$ a month)	..	..	14.9
Fixed-broadband sub-basket (\$ a month)	..	..	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	5.7	1.0	15.5
ICT goods imports (% of total goods imports)	4.9	4.8	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.46
Secure Internet servers (per million people)	..	..	20.1



# Mexico

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	106	113	2,452
Urban population (% of total)	76	78	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,820	8,930	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	1.1	6.3
Adult literacy rate (% ages 15 and older)	92	93	93
Gross primary, secondary, tertiary school enrollment (%)	77	80	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.6	3.0	2.4
Telecommunications investment (% of revenue)	15.9	18.5	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	18.3	17.5	21.5
Mobile-cellular telephone subscriptions (per 100 people)	44.3	80.6	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.81	9.98	8.34
Households with a computer (%)	18.6	29.8	35.2
Households with Internet access at home (%)	8.9	22.2	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	45.8	91.7	137.9
Individuals using the Internet (%)	17.2 <sup>a</sup>	31.1	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	49.5	97.4	69.0
International Internet bandwidth (bit/s per Internet user)	736 <sup>a</sup>	7,316	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	18.9	9.8
Mobile-cellular sub-basket (\$ a month)	..	17.4	14.9
Fixed-broadband sub-basket (\$ a month)	..	17.3	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	18.0	20.2	15.5
ICT goods imports (% of total goods imports)	17.1	19.2	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.59	0.73	0.46
Secure Internet servers (per million people)	8.1	26.8	20.1

# Micronesia, Fed. Sts.

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.11	0.11	2,519
Urban population (% of total)	22	23	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,510	2,740	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.3	-0.5	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	75	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	M	
Mobile telephone service	C	M	
Internet service	..	M	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.8	..	3.4
Telecommunications investment (% of revenue)	13.2	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	11.4	7.6	6.0
Mobile-cellular telephone subscriptions (per 100 people)	12.9	24.8	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.04	0.90	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	44.2	..	..
Individuals using the Internet (%)	11.9	20.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	2.0	..	57.1
International Internet bandwidth (bit/s per Internet user)	462	1,801 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.4	5.3
Mobile-cellular sub-basket (\$ a month)	..	9.1	10.7
Fixed-broadband sub-basket (\$ a month)	..	40.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.21	0.31
Secure Internet servers (per million people)	18.3	71.7	3.4

## Europe & Central Asia

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	2,519
Urban population (% of total)	43	41	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	1,810	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.1	2.9	6.4
Adult literacy rate (% ages 15 and older)	97	98	71
Gross primary, secondary, tertiary school enrollment (%)	71	69	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	9.7	8.5	3.4
Telecommunications investment (% of revenue)	31.4	28.1	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	24.7	32.5	6.0
Mobile-cellular telephone subscriptions (per 100 people)	28.9	88.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.28	7.53	1.04
Households with a computer (%)	7.0	36.9 <sup>a</sup>	11.3
Households with Internet access at home (%)	2.3 <sup>a</sup>	34.7 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	22.2	17.7	6.1
Domestic mobile traffic (minutes/subscriber/month)	36.4	93.1	..
Individuals using the Internet (%)	14.6	40.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	97	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	17.0	100.0	57.1
International Internet bandwidth (bit/s per Internet user)	744	65,773	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.9	5.3
Mobile-cellular sub-basket (\$ a month)	..	12.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	6.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.7	8.3
ICT goods imports (% of total goods imports)	3.6	3.9	10.4
ICT service exports (% of total service exports)	15.8	22.7	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.45	0.52	0.31
Secure Internet servers (per million people)	4.2	19.8	3.4

# Monaco

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.04	0.04	1,127
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	123,100	183,150	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.7	7.7	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	105	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	M	M	
Internet service	C	M	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	44.4
Mobile-cellular telephone subscriptions (per 100 people)	..	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	21.2	21.2
Mobile-cellular sub-basket (\$ a month)	..	52.6	22.3
Fixed-broadband sub-basket (\$ a month)	..	45.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.36	0.68
Secure Internet servers (per million people)	680.7	2,541.9	1,068.0

# Mongolia

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	3	2,519
Urban population (% of total)	57	58	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	1,870	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.7	6.4	6.4
Adult literacy rate (% ages 15 and older)	98	97	71
Gross primary, secondary, tertiary school enrollment (%)	78	83	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	P	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	40-100	40-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.3	5.6	3.4
Telecommunications investment (% of revenue)	15.1	19.1	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	6.1	7.0	6.0
Mobile-cellular telephone subscriptions (per 100 people)	21.9	91.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.07	2.60	1.04
Households with a computer (%)	6.3 <sup>a</sup>	22.3	11.3
Households with Internet access at home (%)	2.3 <sup>a</sup>	7.7	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.5	6.1
Domestic mobile traffic (minutes/subscriber/month)	0.3	121.6	..
Individuals using the Internet (%)	..	12.9	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	29	85	86
Fixed (wired)-broadband subscriptions (% of total Internet)	20.0	100.0	57.1
International Internet bandwidth (bit/s per Internet user)	..	48,348	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	0.7	5.3
Mobile-cellular sub-basket (\$ a month)	..	3.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	8.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	..	8.3
ICT goods imports (% of total goods imports)	5.0	..	10.4
ICT service exports (% of total service exports)	3.7	2.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.59	0.31
Secure Internet servers (per million people)	3.1	13.6	3.4

# Montenegro

	Europe & Central Asia		Upper middle income
	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.63	0.63	2,452
Urban population (% of total)	61	60	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,580	6,740	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	4.3	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	74	86	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	27.3	26.8 <sup>a</sup>	21.5
Mobile-cellular telephone subscriptions (per 100 people)	86.7	185.3 <sup>a</sup>	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.22	8.30 <sup>a</sup>	8.34
Households with a computer (%)	18.6	32.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	13.0 <sup>a</sup>	21.2 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	110.7	..	137.9
Individuals using the Internet (%)	28.8 <sup>a</sup>	52.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	9.5	..	69.0
International Internet bandwidth (bit/s per Internet user)	1,329	21,317	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	7.8	9.8
Mobile-cellular sub-basket (\$ a month)	..	16.5	14.9
Fixed-broadband sub-basket (\$ a month)	..	18.4	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	0.3	15.5
ICT goods imports (% of total goods imports)	..	3.6	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.43	0.51	0.46
Secure Internet servers (per million people)	..	25.3	20.1

# Morocco

## Middle East & North Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	30	32	2,519
Urban population (% of total)	55	57	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,960	2,850	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.0	4.8	6.4
Adult literacy rate (% ages 15 and older)	52	56	71
Gross primary, secondary, tertiary school enrollment (%)	59	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.6	4.7	3.4
Telecommunications investment (% of revenue)	17.0	16.6	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.4	11.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	40.8	100.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	1.56	1.04
Households with a computer (%)	13.2	34.2	11.3
Households with Internet access at home (%)	4.3	25.5	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	12.7	9.6	6.1
Domestic mobile traffic (minutes/subscriber/month)	7.8	36.1	..
Individuals using the Internet (%)	15.1	49.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	98	98	86
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0	99.6	57.1
International Internet bandwidth (bit/s per Internet user)	1,549	4,790	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	21.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	33.1	10.7
Fixed-broadband sub-basket (\$ a month)	..	11.7	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	6.0	3.8	8.3
ICT goods imports (% of total goods imports)	7.0	5.9	10.4
ICT service exports (% of total service exports)	..	8.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.25	0.31
Secure Internet servers (per million people)	0.7	4.3	3.4

# Mozambique

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	21	23	796
Urban population (% of total)	35	38	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	290	440	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.2	7.2	5.7
Adult literacy rate (% ages 15 and older)	48	55	61
Gross primary, secondary, tertiary school enrollment (%)	52	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	50-100	50-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.5	3.9	..
Telecommunications investment (% of revenue)	24.6	8.2	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.3	0.4	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.2	30.9	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	0.05
Households with a computer (%)	0.6 <sup>a</sup>	7.5 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.8 <sup>a</sup>	1.1 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	2.3	..
Domestic mobile traffic (minutes/subscriber/month)	25.6	14.8	..
Individuals using the Internet (%)	0.9 <sup>a</sup>	4.2	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	32	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	92.5	..
International Internet bandwidth (bit/s per Internet user)	107 <sup>a</sup>	1,312	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	12.4	8.8
Mobile-cellular sub-basket (\$ a month)	..	17.0	13.0
Fixed-broadband sub-basket (\$ a month)	..	21.9	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	..
ICT goods imports (% of total goods imports)	4.5	1.8	..
ICT service exports (% of total service exports)	3.6	7.0	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.26	0.37	0.20
Secure Internet servers (per million people)	0.1	1.1	0.8



# Myanmar

East Asia & Pacific

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	46	48	796
Urban population (% of total)	31	34	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	13.0	11.2	5.7
Adult literacy rate (% ages 15 and older)	90	92	61
Gross primary, secondary, tertiary school enrollment (%)	57	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	..	
Mobile telephone service	M	M	
Internet service	P	M	
Foreign ownership (percentage allowed)	0	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	8.6	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.1	1.3 <sup>a</sup>	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.3	1.2 <sup>a</sup>	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03 <sup>a</sup>	0.05
Households with a computer (%)	1.0	2.8 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.6	2.6 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	15.2	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.1	0.2 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	10	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	3.8	47.0	..
International Internet bandwidth (bit/s per Internet user)	3,111	9,310 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	0.9	8.8
Mobile-cellular sub-basket (\$ a month)	..	12.8	13.0
Fixed-broadband sub-basket (\$ a month)	..	28.5	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.10	0.20
Secure Internet servers (per million people)	0.0	0.1	0.8

# Namibia

	Sub-Saharan Africa		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	2,452
Urban population (% of total)	35	38	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,300	4,510	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.4	3.8	6.3
Adult literacy rate (% ages 15 and older)	85	89	93
Gross primary, secondary, tertiary school enrollment (%)	70	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	M	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.1	..	2.4
Telecommunications investment (% of revenue)	7.5	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	6.7	6.7 <sup>a</sup>	21.5
Mobile-cellular telephone subscriptions (per 100 people)	21.6	67.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.42	8.34
Households with a computer (%)	6.9 <sup>a</sup>	15.4 <sup>a</sup>	35.2
Households with Internet access at home (%)	3.0 <sup>a</sup>	3.9 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	4.0 <sup>a</sup>	6.5 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	88	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	0.2	..	69.0
International Internet bandwidth (bit/s per Internet user)	432	4,413 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	15.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	17.0	14.9
Fixed-broadband sub-basket (\$ a month)	..	94.9	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.6	0.5	15.5
ICT goods imports (% of total goods imports)	4.8	4.0	15.0
ICT service exports (% of total service exports)	4.1	1.7	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.34	0.30	0.46
Secure Internet servers (per million people)	6.7	19.8	20.1

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	27	30	796
Urban population (% of total)	16	18	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	290	490	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.3	4.5	5.7
Adult literacy rate (% ages 15 and older)	49	59	61
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	80	80	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	0.9	..	..
Telecommunications investment (% of revenue)	26.7	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.8	2.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.8	30.7	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.20	0.05
Households with a computer (%)	1.9	4.2 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.7 <sup>a</sup>	1.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.8	7.9	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	10	35	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	45.5	..
International Internet bandwidth (bit/s per Internet user)	210	1,684 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	3.1	8.8
Mobile-cellular sub-basket (\$ a month)	..	2.7	13.0
Fixed-broadband sub-basket (\$ a month)	..	23.3	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	0.4	..
ICT goods imports (% of total goods imports)	4.5	7.2	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.27	0.29	0.20
Secure Internet servers (per million people)	0.4	1.9	0.8

# Netherlands

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	16	17	1,127
Urban population (% of total)	80	83	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,880	49,030	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.2	1.2	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	97	99	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	C	
Internet service	P	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	2.3	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	46.6	43.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	97.1	115.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	25.14	38.10	26.54
Households with a computer (%)	78.0	92.0	77.1
Households with Internet access at home (%)	78.3	90.9	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	38.8	97.9	..
Individuals using the Internet (%)	81.0	90.7	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.2	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	25,333 <sup>a</sup>	154,333 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	22.4	21.2
Mobile-cellular sub-basket (\$ a month)	..	33.2	22.3
Fixed-broadband sub-basket (\$ a month)	..	32.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	16.8	12.5	10.4
ICT goods imports (% of total goods imports)	18.7	14.5	12.5
ICT service exports (% of total service exports)	9.3	11.7	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.86	0.96	0.68
Secure Internet servers (per million people)	327.1	2,756.6	1,068.0

# New Caledonia

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.23	0.25	1,127
Urban population (% of total)	64	66	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	96	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	23.9	28.8 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	58.1	88.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	4.15	15.23	26.54
Households with a computer (%)	18.2	24.3 <sup>a</sup>	77.1
Households with Internet access at home (%)	8.0 <sup>a</sup>	16.7 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	60.1	..	..
Individuals using the Internet (%)	32.4	34.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	75 <sup>a</sup>	89	100
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	1,765	15,491	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	10.4
ICT goods imports (% of total goods imports)	4.6	3.3	12.5
ICT service exports (% of total service exports)	0.3	0.6	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	68.3	139.6	1,068.0

# New Zealand

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	1,127
Urban population (% of total)	86	87	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	24,840	28,770	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	0.5	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	106	108	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.4	3.2	2.6
Telecommunications investment (% of revenue)	6.1	22.2	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	41.8	42.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	85.4	114.9	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	7.76	24.93	26.54
Households with a computer (%)	67.8 <sup>a</sup>	83.9 <sup>a</sup>	77.1
Households with Internet access at home (%)	62.1 <sup>a</sup>	79.0 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	29.5	75.2	..
Individuals using the Internet (%)	62.7 <sup>a</sup>	83.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	98	97	100
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	69.3	96.0
International Internet bandwidth (bit/s per Internet user)	1,764 <sup>a</sup>	19,307 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	34.1	21.2
Mobile-cellular sub-basket (\$ a month)	..	47.2	22.3
Fixed-broadband sub-basket (\$ a month)	..	28.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.7	1.2	10.4
ICT goods imports (% of total goods imports)	9.6	8.3	12.5
ICT service exports (% of total service exports)	5.4	4.6	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.74	0.78	0.68
Secure Internet servers (per million people)	489.9	1,597.4	1,068.0

# Nicaragua

## Latin America & Caribbean

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	6	2,519
Urban population (% of total)	56	57	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	1,110	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	3.1	6.4
Adult literacy rate (% ages 15 and older)	78	..	71
Gross primary, secondary, tertiary school enrollment (%)	70	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.7	..	3.4
Telecommunications investment (% of revenue)	24.0	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.1	4.5 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	20.6	65.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.19	0.82 <sup>a</sup>	1.04
Households with a computer (%)	3.8	8.2 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.1	2.6 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	2.6	10.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	45.0	..	57.1
International Internet bandwidth (bit/s per Internet user)	43 <sup>a</sup>	8,638 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.5	5.3
Mobile-cellular sub-basket (\$ a month)	..	13.2	10.7
Fixed-broadband sub-basket (\$ a month)	..	34.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	8.3
ICT goods imports (% of total goods imports)	6.1	4.8	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.37	0.31	0.31
Secure Internet servers (per million people)	2.0	10.1	3.4

# Niger

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	13	16	796
Urban population (% of total)	16	17	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	260	370	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.7	4.8	5.7
Adult literacy rate (% ages 15 and older)	29	..	61
Gross primary, secondary, tertiary school enrollment (%)	25	34	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	M	M	
Foreign ownership (percentage allowed)	49-51	51	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.2	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.2	0.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.5	24.5	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.05
Households with a computer (%)	0.1 <sup>a</sup>	1.2 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.0 <sup>a</sup>	0.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.2	0.8 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	15	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	5.9	..	..
International Internet bandwidth (bit/s per Internet user)	1,043	2,330 <sup>a</sup>	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.7	8.8
Mobile-cellular sub-basket (\$ a month)	..	20.8	13.0
Fixed-broadband sub-basket (\$ a month)	..	59.6	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.3	..
ICT goods imports (% of total goods imports)	3.2	1.9	..
ICT service exports (% of total service exports)	25.8	12.8	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.11	0.20	0.20
Secure Internet servers (per million people)	0.1	0.3	0.8



# Nigeria

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	140	158	2,519
Urban population (% of total)	46	50	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	1,230	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.6	6.7	6.4
Adult literacy rate (% ages 15 and older)	55	61	71
Gross primary, secondary, tertiary school enrollment (%)	56	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.1	3.3	3.4
Telecommunications investment (% of revenue)	0.4	11.1	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.9	0.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	13.3	55.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06 <sup>a</sup>	1.04
Households with a computer (%)	4.0	15.4 <sup>a</sup>	11.3
Households with Internet access at home (%)	2.0 <sup>a</sup>	9.0 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	6.2	4.6	6.1
Domestic mobile traffic (minutes/subscriber/month)	27.4	60.0	..
Individuals using the Internet (%)	3.5	28.4 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	58	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	44.6	57.1
International Internet bandwidth (bit/s per Internet user)	30	111 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	14.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	13.7	10.7
Fixed-broadband sub-basket (\$ a month)	..	53.1	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	3.9	6.6	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.31	0.22	0.31
Secure Internet servers (per million people)	0.2	1.7	3.4

# Northern Mariana Islands

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.07	0.06	1,127
Urban population (% of total)	91	91	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	34.6 <sup>a</sup>	41.9 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	29.9	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	30.9	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	77.7	82.1	1,068.0

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	5	1,127
Urban population (% of total)	77	78	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	62,490	87,350	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	0.7	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	99	97	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.6	1.3	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	45.6	33.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	102.8	115.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	21.44	35.30	26.54
Households with a computer (%)	74.0	90.9	77.1
Households with Internet access at home (%)	64.0	89.8	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	119.3	169.1	..
Individuals using the Internet (%)	82.0	93.4	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	69.8	99.4	96.0
International Internet bandwidth (bit/s per Internet user)	11,349 <sup>a</sup>	109,641 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	32.7	21.2
Mobile-cellular sub-basket (\$ a month)	..	20.5	22.3
Fixed-broadband sub-basket (\$ a month)	..	49.1	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.2	1.4	10.4
ICT goods imports (% of total goods imports)	8.8	7.5	12.5
ICT service exports (% of total service exports)	4.3	9.5	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.89	0.86	0.68
Secure Internet servers (per million people)	308.9	1,821.9	1,068.0

# Oman

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	3	1,127
Urban population (% of total)	72	72	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,190	18,260	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.1	7.1	0.6
Adult literacy rate (% ages 15 and older)	81	87	98
Gross primary, secondary, tertiary school enrollment (%)	69	75	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	P	C	
Internet service	M	C	
Foreign ownership (percentage allowed)	70	70-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.0	3.5	2.6
Telecommunications investment (% of revenue)	102.5	29.5	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	10.9	10.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	54.9	165.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.54	1.63	26.54
Households with a computer (%)	37.2	45.6 <sup>a</sup>	77.1
Households with Internet access at home (%)	15.5 <sup>a</sup>	27.7 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	18.1	20.4	..
Domestic mobile traffic (minutes/subscriber/month)	99.9	81.6	..
Individuals using the Internet (%)	6.7	62.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	92	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.4	61.5	96.0
International Internet bandwidth (bit/s per Internet user)	3,073	6,108	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	13.1	21.2
Mobile-cellular sub-basket (\$ a month)	..	9.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	31.0	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	10.4
ICT goods imports (% of total goods imports)	4.4	3.1	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.67	0.68
Secure Internet servers (per million people)	4.1	53.4	1,068.0

# Pakistan

## South Asia

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	159	174	2,519
Urban population (% of total)	35	37	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	710	1,050	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.0	4.0	6.4
Adult literacy rate (% ages 15 and older)	50	56	71
Gross primary, secondary, tertiary school enrollment (%)	40	44	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.2	2.4	3.4
Telecommunications investment (% of revenue)	1.0	27.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	3.3	2.0	6.0
Mobile-cellular telephone subscriptions (per 100 people)	8.1	57.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.31	1.04
Households with a computer (%)	8.1	13.0 <sup>a</sup>	11.3
Households with Internet access at home (%)	4.1 <sup>a</sup>	8.0 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	4.0	5.3	6.1
Domestic mobile traffic (minutes/subscriber/month)	40.9	60.7	..
Individuals using the Internet (%)	6.3	16.8	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	36	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.7	16.4	57.1
International Internet bandwidth (bit/s per Internet user)	72	2,595	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	3.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	2.5	10.7
Fixed-broadband sub-basket (\$ a month)	..	14.2	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.5	0.2	8.3
ICT goods imports (% of total goods imports)	8.7	3.3	10.4
ICT service exports (% of total service exports)	9.3	6.6	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.32	0.37	0.31
Secure Internet servers (per million people)	0.3	1.1	3.4

# Palau

	East Asia & Pacific		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.02	0.02	2,452
Urban population (% of total)	77	83	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,770	6,560	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.9	-0.6	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	..	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	40.1	34.1	21.5
Mobile-cellular telephone subscriptions (per 100 people)	30.4	70.9	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.50	1.17	8.34
Households with a computer (%)	..	..	35.2
Households with Internet access at home (%)	..	..	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	50.7	30.6	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	27.0	..	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	30	95	99
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6	22.0	69.0
International Internet bandwidth (bit/s per Internet user)	1,123	..	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	9.8
Mobile-cellular sub-basket (\$ a month)	..	..	14.9
Fixed-broadband sub-basket (\$ a month)	..	..	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	15.5
ICT goods imports (% of total goods imports)	..	..	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.18	0.46
Secure Internet servers (per million people)	50.5	48.8	20.1

# Panama

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	4	2,452
Urban population (% of total)	71	75	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,640	6,970	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.4	7.9	6.3
Adult literacy rate (% ages 15 and older)	92	94	93
Gross primary, secondary, tertiary school enrollment (%)	79	78	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	<i>P</i>	<i>P</i>	
Internet service	<i>C</i>	..	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.7	3.3	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	14.5	15.7	21.5
Mobile-cellular telephone subscriptions (per 100 people)	54.0	184.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.54	7.84	8.34
Households with a computer (%)	14.6 <sup>a</sup>	19.8 <sup>a</sup>	35.2
Households with Internet access at home (%)	8.1	11.8 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.4	3.2
Domestic mobile traffic (minutes/subscriber/month)	61.3	49.1	137.9
Individuals using the Internet (%)	11.5	42.8	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	75	91	99
Fixed (wired)-broadband subscriptions (% of total Internet)	21.3	96.7	69.0
International Internet bandwidth (bit/s per Internet user)	2,490 <sup>a</sup>	21,278	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	12.0	9.8
Mobile-cellular sub-basket (\$ a month)	..	8.5	14.9
Fixed-broadband sub-basket (\$ a month)	..	16.6	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	9.6	15.5
ICT goods imports (% of total goods imports)	9.1	9.6	15.0
ICT service exports (% of total service exports)	4.3	4.8	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.46	0.46
Secure Internet servers (per million people)	56.2	143.1	20.1

# Papua New Guinea

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	6	7	2,519
Urban population (% of total)	13	13	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	680	1,300	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	6.1	6.4
Adult literacy rate (% ages 15 and older)	57	60	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>P</i>	<i>P</i>	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.0	1.8	6.0
Mobile-cellular telephone subscriptions (per 100 people)	1.2	27.8	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00 <sup>a</sup>	0.09	1.04
Households with a computer (%)	2.5 <sup>a</sup>	3.5 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.1 <sup>a</sup>	2.7 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.7	1.3	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	57.1
International Internet bandwidth (bit/s per Internet user)	57 <sup>a</sup>	3,167	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.5	5.3
Mobile-cellular sub-basket (\$ a month)	..	23.3	10.7
Fixed-broadband sub-basket (\$ a month)	..	140.2	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	..	8.3
ICT goods imports (% of total goods imports)	3.2	..	10.4
ICT service exports (% of total service exports)	2.2	0.7	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.21	0.23	0.31
Secure Internet servers (per million people)	0.5	6.8	3.4



# Paraguay

## Latin America & Caribbean

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	6	6	2,519
Urban population (% of total)	59	62	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,220	2,720	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.6	4.8	6.4
Adult literacy rate (% ages 15 and older)	95	..	71
Gross primary, secondary, tertiary school enrollment (%)	72	71	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	0-90	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.1	4.0	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	5.4	5.6	6.0
Mobile-cellular telephone subscriptions (per 100 people)	32.0	91.7	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.44	1.04
Households with a computer (%)	8.7	19.3	11.3
Households with Internet access at home (%)	1.7	13.8	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.0	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	7.9	19.8	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	94	86
Fixed (wired)-broadband subscriptions (% of total Internet)	9.3	10.1	57.1
International Internet bandwidth (bit/s per Internet user)	738	8,302	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	6.8	5.3
Mobile-cellular sub-basket (\$ a month)	..	8.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	19.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	8.3
ICT goods imports (% of total goods imports)	17.4	27.0	10.4
ICT service exports (% of total service exports)	2.7	1.4	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.46	0.31
Secure Internet servers (per million people)	1.4	9.7	3.4

# Peru

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2010
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	28	29	2,452
Urban population (% of total)	71	72	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,680	4,700	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.3	7.1	6.3
Adult literacy rate (% ages 15 and older)	88	..	93
Gross primary, secondary, tertiary school enrollment (%)	82	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.7	2.9	2.4
Telecommunications investment (% of revenue)	17.9	16.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	8.7	10.9	21.5
Mobile-cellular telephone subscriptions (per 100 people)	20.3	100.1	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.28	3.14	8.34
Households with a computer (%)	8.2	22.7 <sup>a</sup>	35.2
Households with Internet access at home (%)	3.5	14.0 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	13.7	9.7	3.2
Domestic mobile traffic (minutes/subscriber/month)	40.5	58.6	137.9
Individuals using the Internet (%)	17.1 <sup>a</sup>	34.3	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	92	97	99
Fixed (wired)-broadband subscriptions (% of total Internet)	42.3	98.6	69.0
International Internet bandwidth (bit/s per Internet user)	2,122	8,487 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	14.6	9.8
Mobile-cellular sub-basket (\$ a month)	..	43.2	14.9
Fixed-broadband sub-basket (\$ a month)	..	42.2	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	15.5
ICT goods imports (% of total goods imports)	8.4	7.4	15.0
ICT service exports (% of total service exports)	3.2	3.1	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.53	0.52	0.46
Secure Internet servers (per million people)	5.3	18.6	20.1

# Philippines

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	86	93	2,519
Urban population (% of total)	63	66	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,210	2,060	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	4.7	6.4
Adult literacy rate (% ages 15 and older)	93	95	71
Gross primary, secondary, tertiary school enrollment (%)	78	79	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	40	40	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.2	..	3.4
Telecommunications investment (% of revenue)	24.4	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	3.9	7.3	6.0
Mobile-cellular telephone subscriptions (per 100 people)	40.7	85.7	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.14 <sup>a</sup>	1.85 <sup>a</sup>	1.04
Households with a computer (%)	6.6 <sup>a</sup>	13.1 <sup>a</sup>	11.3
Households with Internet access at home (%)	4.3 <sup>a</sup>	10.1 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	5.4 <sup>a</sup>	25.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	8.5	47.8	57.1
International Internet bandwidth (bit/s per Internet user)	696 <sup>a</sup>	10,723 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	15.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	10.1	10.7
Fixed-broadband sub-basket (\$ a month)	..	21.9	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	47.7	35.6	8.3
ICT goods imports (% of total goods imports)	45.8	31.6	10.4
ICT service exports (% of total service exports)	13.5	12.6	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.50	0.50	0.31
Secure Internet servers (per million people)	2.5	7.5	3.4

# Poland

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	38	38	1,127
Urban population (% of total)	62	61	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,290	12,440	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	4.7	0.6
Adult literacy rate (% ages 15 and older)	99	100	98
Gross primary, secondary, tertiary school enrollment (%)	87	88	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	3.0	2.6
Telecommunications investment (% of revenue)	16.1	16.8	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	31.0	20.0	44.4
Mobile-cellular telephone subscriptions (per 100 people)	76.4	122.7	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	2.48	12.96	26.54
Households with a computer (%)	40.0	69.0	77.1
Households with Internet access at home (%)	30.4	63.4	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	46.7	101.4	..
Individuals using the Internet (%)	38.8	62.3	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	35.2	100.0	96.0
International Internet bandwidth (bit/s per Internet user)	1,443 <sup>a</sup>	37,729 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	20.2	21.2
Mobile-cellular sub-basket (\$ a month)	..	15.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	18.0	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.0	9.5	10.4
ICT goods imports (% of total goods imports)	7.9	9.7	12.5
ICT service exports (% of total service exports)	3.1	6.4	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.61	0.54	0.68
Secure Internet servers (per million people)	22.0	270.0	1,068.0

# Portugal

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	11	11	1,127
Urban population (% of total)	58	61	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	18,060	21,870	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.7	0.3	0.6
Adult literacy rate (% ages 15 and older)	..	95	98
Gross primary, secondary, tertiary school enrollment (%)	89	96	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.8	4.5	2.6
Telecommunications investment (% of revenue)	9.9	13.9	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	40.2	42.0	44.4
Mobile-cellular telephone subscriptions (per 100 people)	108.6	142.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	11.05	19.23	26.54
Households with a computer (%)	42.5	59.5 <sup>a</sup>	77.1
Households with Internet access at home (%)	31.5	53.7	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	15.7	..	..
Domestic mobile traffic (minutes/subscriber/month)	80.6	104.7	..
Individuals using the Internet (%)	35.0	51.1	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	81.1	92.4	96.0
International Internet bandwidth (bit/s per Internet user)	2,371 <sup>a</sup>	146,649 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	25.3	21.2
Mobile-cellular sub-basket (\$ a month)	..	22.9	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.3	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	7.8	4.0	10.4
ICT goods imports (% of total goods imports)	8.4	5.7	12.5
ICT service exports (% of total service exports)	4.5	4.2	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.65	0.65	0.68
Secure Internet servers (per million people)	57.4	223.8	1,068.0

# Puerto Rico

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	1,127
Urban population (% of total)	98	99	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,190	15,500	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.9	-1.9	0.6
Adult literacy rate (% ages 15 and older)	90	90	98
Gross primary, secondary, tertiary school enrollment (%)	..	87	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	27.4 <sup>a</sup>	23.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	52.7	78.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	3.13	14.71	26.54
Households with a computer (%)	..	55.0	77.1
Households with Internet access at home (%)	..	50.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	23.4 <sup>a</sup>	45.3	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	62	68	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	95.8	96.0
International Internet bandwidth (bit/s per Internet user)	2,260 <sup>a</sup>	135,429 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	31.2	98.4	1,068.0

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.82	2	1,127
Urban population (% of total)	95	96	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.7	20.9	0.6
Adult literacy rate (% ages 15 and older)	89	95	98
Gross primary, secondary, tertiary school enrollment (%)	78	57	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	M	P	
Internet service	M	P	
Foreign ownership (percentage allowed)	.. <sup>b</sup>	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.8	1.6	2.6
Telecommunications investment (% of revenue)	26.3	21.4	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	25.0	16.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	87.3	132.4	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	3.12	8.19	26.54
Households with a computer (%)	65.7 <sup>a</sup>	89.6	77.1
Households with Internet access at home (%)	31.5 <sup>a</sup>	84.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	79.1	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	24.7	81.6	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	48.2	95.8	96.0
International Internet bandwidth (bit/s per Internet user)	3,817	17,072	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.1	21.2
Mobile-cellular sub-basket (\$ a month)	..	18.4	22.3
Fixed-broadband sub-basket (\$ a month)	..	54.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	10.4
ICT goods imports (% of total goods imports)	4.8	4.3	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.53	0.74	0.68
Secure Internet servers (per million people)	20.7	126.2	1,068.0

# Romania

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	22	21	2,452
Urban population (% of total)	54	55	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,920	7,850	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.8	2.9	6.3
Adult literacy rate (% ages 15 and older)	97	98	93
Gross primary, secondary, tertiary school enrollment (%)	77	85	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	3.0	2.4
Telecommunications investment (% of revenue)	23.0	15.7	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	20.1	20.9	21.5
Mobile-cellular telephone subscriptions (per 100 people)	61.3	114.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.73	13.87	8.34
Households with a computer (%)	24.7	47.9	35.2
Households with Internet access at home (%)	9.8 <sup>a</sup>	42.2	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	10.2	8.9	3.2
Domestic mobile traffic (minutes/subscriber/month)	57.2	174.1	137.9
Individuals using the Internet (%)	21.5 <sup>a</sup>	39.9	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	47.7	99.3	69.0
International Internet bandwidth (bit/s per Internet user)	2,879	51,402	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	13.3	9.8
Mobile-cellular sub-basket (\$ a month)	..	21.8	14.9
Fixed-broadband sub-basket (\$ a month)	..	4.8	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.2	8.4	15.5
ICT goods imports (% of total goods imports)	6.7	9.3	15.0
ICT service exports (% of total service exports)	19.8	18.0	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.54	0.52	0.46
Secure Internet servers (per million people)	5.4	53.7	20.1



# Russian Federation

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	143	142	2,452
Urban population (% of total)	73	73	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,460	9,900	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.2	3.1	6.3
Adult literacy rate (% ages 15 and older)	99	100	93
Gross primary, secondary, tertiary school enrollment (%)	82	85	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.9	2.8	2.4
Telecommunications investment (% of revenue)	32.1	15.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	27.9	31.4	21.5
Mobile-cellular telephone subscriptions (per 100 people)	83.4	166.3	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	10.98	8.34
Households with a computer (%)	14.0	50.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	7.0	42.1 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	92.7	137.9
Individuals using the Internet (%)	15.2	43.0	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	95	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	8.3	21.6	69.0
International Internet bandwidth (bit/s per Internet user)	656 <sup>a</sup>	30,776	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	6.2	9.8
Mobile-cellular sub-basket (\$ a month)	..	9.2	14.9
Fixed-broadband sub-basket (\$ a month)	..	9.9	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.2	15.5
ICT goods imports (% of total goods imports)	7.8	7.9	15.0
ICT service exports (% of total service exports)	4.3	6.0	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.51	0.66	0.46
Secure Internet servers (per million people)	2.4	27.2	20.1

# Rwanda

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	9	11	796
Urban population (% of total)	18	19	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	520	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.3	7.4	5.7
Adult literacy rate (% ages 15 and older)	65	71	61
Gross primary, secondary, tertiary school enrollment (%)	56	68	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.7	3.0	..
Telecommunications investment (% of revenue)	22.7	108.6	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.3 <sup>a</sup>	0.4	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.4	33.4	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.02	0.05
Households with a computer (%)	0.2	0.5 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.1	0.1 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	12.8	3.7	..
Domestic mobile traffic (minutes/subscriber/month)	11.8	50.5	..
Individuals using the Internet (%)	0.6 <sup>a</sup>	13.0	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	75	96	..
Fixed (wired)-broadband subscriptions (% of total Internet)	40.0	15.8	..
International Internet bandwidth (bit/s per Internet user)	1,055	1,190	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	13.2	8.8
Mobile-cellular sub-basket (\$ a month)	..	13.9	13.0
Fixed-broadband sub-basket (\$ a month)	..	86.1	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.2	0.6	..
ICT goods imports (% of total goods imports)	8.4	11.7	..
ICT service exports (% of total service exports)	..	4.4	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.34	0.20
Secure Internet servers (per million people)	..	0.9	0.8

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.18	0.18	2,519
Urban population (% of total)	22	23	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,090	2,980	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.9	0.6	6.4
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)	78	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	90	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.0	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	10.8	19.3 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	13.3	91.4 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.04 <sup>a</sup>	0.11 <sup>a</sup>	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.4	7.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	57.1
International Internet bandwidth (bit/s per Internet user)	1,489	3,901 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	12.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	17.6	10.7
Fixed-broadband sub-basket (\$ a month)	..	60.8	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	8.3
ICT goods imports (% of total goods imports)	2.0	2.4	10.4
ICT service exports (% of total service exports)	5.3	4.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.38	0.28	0.31
Secure Internet servers (per million people)	5.5	21.8	3.4

# San Marino

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.03	0.03	1,127
Urban population (% of total)	94	94	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	40,370	50,400	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	3.1	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	0.4	..	2.6
Telecommunications investment (% of revenue)	50.0	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	68.8	68.8 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	56.6	76.1 <sup>a</sup>	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	4.03	32.03 <sup>a</sup>	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	50.3	54.2	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	22.2	75.4	96.0
International Internet bandwidth (bit/s per Internet user)	10,178	588,245 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	25.6	21.2
Mobile-cellular sub-basket (\$ a month)	..	23.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	22.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.29	0.68
Secure Internet servers (per million people)	363.0	1,236.8	1,068.0

# São Tomé and Príncipe

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.15	0.17	2,519
Urban population (% of total)	58	62	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	770	1,200	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.0	5.4	6.4
Adult literacy rate (% ages 15 and older)	85	89	71
Gross primary, secondary, tertiary school enrollment (%)	66	71	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	M	
Internet service	..	M	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	9.1	..	3.4
Telecommunications investment (% of revenue)	14.9	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.7 <sup>a</sup>	4.6	6.0
Mobile-cellular telephone subscriptions (per 100 people)	7.8	62.0	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.35	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	33.2	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	4.6	..	..
Individuals using the Internet (%)	13.8 <sup>a</sup>	18.8	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	8	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	57.1
International Internet bandwidth (bit/s per Internet user)	95	1,032	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	12.7	10.7
Fixed-broadband sub-basket (\$ a month)	..	285.4	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.7	8.3
ICT goods imports (% of total goods imports)	3.4	5.8	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.32	0.12	0.31
Secure Internet servers (per million people)	12.7	17.8	3.4

# Saudi Arabia

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	24	27	1,127
Urban population (% of total)	81	84	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	12,230	16,190	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.0	2.6	0.6
Adult literacy rate (% ages 15 and older)	85	86	98
Gross primary, secondary, tertiary school enrollment (%)	77	84	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	..	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	.. <sup>c</sup>	0-70	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.9	3.8	2.6
Telecommunications investment (% of revenue)	21.5	18.3	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	16.0	15.2	44.4
Mobile-cellular telephone subscriptions (per 100 people)	58.9	187.9	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.28 <sup>a</sup>	5.45	26.54
Households with a computer (%)	30.0	57.3 <sup>a</sup>	77.1
Households with Internet access at home (%)	20.0	54.4 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	15.6	82.0	..
Individuals using the Internet (%)	12.7	41.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	96	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	5.4	78.9	96.0
International Internet bandwidth (bit/s per Internet user)	393	28,252	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.2	21.2
Mobile-cellular sub-basket (\$ a month)	..	14.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.6	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	10.4
ICT goods imports (% of total goods imports)	6.5	7.2	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.49	0.80	0.68
Secure Internet servers (per million people)	3.2	21.6	1,068.0

# Senegal

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	11	12	2,519
Urban population (% of total)	42	43	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	800	1,080	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.6	3.5	6.4
Adult literacy rate (% ages 15 and older)	42	50	71
Gross primary, secondary, tertiary school enrollment (%)	43	50	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	P	
Mobile telephone service	C	P	
Internet service	C	P	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	7.8	10.0	3.4
Telecommunications investment (% of revenue)	22.1	25.5	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	2.5	2.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	15.9	67.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.17	0.63	1.04
Households with a computer (%)	2.9 <sup>a</sup>	5.7 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.7 <sup>a</sup>	4.5 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	36.4	13.5	6.1
Domestic mobile traffic (minutes/subscriber/month)	42.6	69.9	..
Individuals using the Internet (%)	4.8	16.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	85	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	86.8	100.0	57.1
International Internet bandwidth (bit/s per Internet user)	1,489	2,413	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	12.7	10.7
Fixed-broadband sub-basket (\$ a month)	..	36.1	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.4	0.4	8.3
ICT goods imports (% of total goods imports)	3.9	3.3	10.4
ICT service exports (% of total service exports)	13.6	12.9	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.25	0.35	0.31
Secure Internet servers (per million people)	0.3	1.4	3.4

# Serbia

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	7	7	2,452
Urban population (% of total)	52	52	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,430	5,630	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.3	2.0	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	78	79	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	..	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.7	5.1	2.4
Telecommunications investment (% of revenue)	22.9	18.4	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	32.9	40.5	21.5
Mobile-cellular telephone subscriptions (per 100 people)	71.8	129.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.44	11.18	8.34
Households with a computer (%)	25.0	50.9 <sup>a</sup>	35.2
Households with Internet access at home (%)	18.0	40.2 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	13.5	8.6	3.2
Domestic mobile traffic (minutes/subscriber/month)	27.6	73.3	137.9
Individuals using the Internet (%)	26.3 <sup>a</sup>	40.9	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	96	97	99
Fixed (wired)-broadband subscriptions (% of total Internet)	4.4	93.5	69.0
International Internet bandwidth (bit/s per Internet user)	852	47,011 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.4	9.8
Mobile-cellular sub-basket (\$ a month)	..	11.6	14.9
Fixed-broadband sub-basket (\$ a month)	..	15.3	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.5	1.6	15.5
ICT goods imports (% of total goods imports)	5.5	4.2	15.0
ICT service exports (% of total service exports)	6.1	9.2	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.48	0.58	0.46
Secure Internet servers (per million people)	5.1	28.8	20.1



# Seychelles

## Sub-Saharan Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.08	0.09	2,452
Urban population (% of total)	53	55	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,680	9,710	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-1.2	4.0	6.3
Adult literacy rate (% ages 15 and older)	92	92	93
Gross primary, secondary, tertiary school enrollment (%)	85	87	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	P	P	
Internet service	P	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.6	4.0	2.4
Telecommunications investment (% of revenue)	24.9	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	25.6	25.5	21.5
Mobile-cellular telephone subscriptions (per 100 people)	70.4	135.9	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.14	7.26	8.34
Households with a computer (%)	12.0 <sup>a</sup>	32.1 <sup>a</sup>	35.2
Households with Internet access at home (%)	6.0 <sup>a</sup>	17.1 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	9.3	9.1	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	25.4	41.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	98	98	99
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	79.3	69.0
International Internet bandwidth (bit/s per Internet user)	1,107	5,229	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.1	9.8
Mobile-cellular sub-basket (\$ a month)	..	15.9	14.9
Fixed-broadband sub-basket (\$ a month)	..	48.1	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	1.5	2.1	15.0
ICT service exports (% of total service exports)	3.5	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.49	0.33	0.46
Secure Internet servers (per million people)	482.5	1,324.3	20.1

# Sierra Leone

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	6	796
Urban population (% of total)	37	38	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	230	340	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	13.7	5.4	5.7
Adult literacy rate (% ages 15 and older)	35	41	61
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	C	P	
Internet service	P	P	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.5 <sup>a</sup>	0.2	1.1
Mobile-cellular telephone subscriptions (per 100 people)	14.2 <sup>a</sup>	34.1	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	..	0.05
Households with a computer (%)	..	..	2.8
Households with Internet access at home (%)	..	..	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.2	0.3 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	..
International Internet bandwidth (bit/s per Internet user)	..	..	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.15	0.17	0.20
Secure Internet servers (per million people)	0.7	0.7	0.8

# Singapore

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	5	1,127
Urban population (% of total)	100	100	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	27,180	40,070	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.1	5.4	0.6
Adult literacy rate (% ages 15 and older)	93	95	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	4.0	2.6
Telecommunications investment (% of revenue)	12.6	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	43.2	39.2	44.4
Mobile-cellular telephone subscriptions (per 100 people)	102.8	145.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	15.38	24.94	26.54
Households with a computer (%)	74.0	84.0	77.1
Households with Internet access at home (%)	66.0	82.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	75.2	89.1	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	61.0	71.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	29.1	95.1	96.0
International Internet bandwidth (bit/s per Internet user)	33,532	172,151	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.2	21.2
Mobile-cellular sub-basket (\$ a month)	..	8.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.7	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	45.5	34.3	10.4
ICT goods imports (% of total goods imports)	37.9	27.9	12.5
ICT service exports (% of total service exports)	1.9	2.8	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.70	1.00	0.68
Secure Internet servers (per million people)	275.4	607.3	1,068.0

# Sint Maarten (Dutch part)

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.04	0.04	1,127
Urban population (% of total)	..	..	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	44.4
Mobile-cellular telephone subscriptions (per 100 people)	..	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	..	..	1,068.0

# Slovak Republic

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	5	1,127
Urban population (% of total)	56	57	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,040	16,840	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.9	4.4	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	76	80	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	P	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.0	3.0	2.6
Telecommunications investment (% of revenue)	22.6	18.1	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	22.1	20.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	83.8	108.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	3.35	12.71	26.54
Households with a computer (%)	47.0	72.2	77.1
Households with Internet access at home (%)	23.0	67.5	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	12.4	18.0	..
Domestic mobile traffic (minutes/subscriber/month)	86.4	113.0	..
Individuals using the Internet (%)	55.2	79.4	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	61.7	95.0	96.0
International Internet bandwidth (bit/s per Internet user)	4,751	11,526	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	20.4	21.2
Mobile-cellular sub-basket (\$ a month)	..	38.2	22.3
Fixed-broadband sub-basket (\$ a month)	..	25.9	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	9.4	19.3	10.4
ICT goods imports (% of total goods imports)	8.3	15.4	12.5
ICT service exports (% of total service exports)	5.2	9.2	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.59	0.50	0.68
Secure Internet servers (per million people)	18.4	163.9	1,068.0

# Slovenia

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	2	2	1,127
Urban population (% of total)	50	48	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	18,070	23,900	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.6	1.5	0.6
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, tertiary school enrollment (%)	91	94	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.3	3.6	2.6
Telecommunications investment (% of revenue)	23.8	11.8	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	50.9	44.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	87.9	104.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	9.82	24.25	26.54
Households with a computer (%)	61.0	70.5	77.1
Households with Internet access at home (%)	48.2	68.1	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	11.6	11.2	..
Domestic mobile traffic (minutes/subscriber/month)	109.4	140.2	..
Individuals using the Internet (%)	46.8	70.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.4	97.9	96.0
International Internet bandwidth (bit/s per Internet user)	2,678 <sup>a</sup>	70,384 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	17.9	21.2
Mobile-cellular sub-basket (\$ a month)	..	20.8	22.3
Fixed-broadband sub-basket (\$ a month)	..	34.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.3	2.2	10.4
ICT goods imports (% of total goods imports)	4.3	4.6	12.5
ICT service exports (% of total service exports)	5.7	7.3	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.67	0.67	0.68
Secure Internet servers (per million people)	79.0	433.2	1,068.0

# Solomon Islands

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.47	0.54	2,519
Urban population (% of total)	17	19	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	1,030	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.6	6.0	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	51	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.7	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.6	1.6 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	1.3	5.6 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.10	0.37 <sup>a</sup>	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.8	5.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	23.7	..	57.1
International Internet bandwidth (bit/s per Internet user)	2,042	1,115 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	3.7	2.5	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.27	0.13	0.31
Secure Internet servers (per million people)	4.3	7.2	3.4

# Somalia

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	8	9	796
Urban population (% of total)	35	37	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	5.7
Adult literacy rate (% ages 15 and older)	..	..	61
Gross primary, secondary, tertiary school enrollment (%)	17	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.2 <sup>a</sup>	1.1 <sup>a</sup>	1.1
Mobile-cellular telephone subscriptions (per 100 people)	6.0	6.9 <sup>a</sup>	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 <sup>a</sup>	0.05
Households with a computer (%)	..	..	2.8
Households with Internet access at home (%)	..	..	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.1	1.2 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	..
International Internet bandwidth (bit/s per Internet user)	33	..	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	8.8
Mobile-cellular sub-basket (\$ a month)	..	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	..	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.18	0.20
Secure Internet servers (per million people)	0.1	0.2	0.8



# South Africa

## Sub-Saharan Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	47	50	2,452
Urban population (% of total)	59	62	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,850	6,090	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.8	3.0	6.3
Adult literacy rate (% ages 15 and older)	89	..	93
Gross primary, secondary, tertiary school enrollment (%)	..	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	85	85	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.3	..	2.4
Telecommunications investment (% of revenue)	9.8	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	9.9	8.4	21.5
Mobile-cellular telephone subscriptions (per 100 people)	71.1	100.5	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.35	1.48	8.34
Households with a computer (%)	13.0 <sup>a</sup>	18.3 <sup>a</sup>	35.2
Households with Internet access at home (%)	3.0 <sup>a</sup>	10.1	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	7.5	12.3	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	96	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	1.7	..	69.0
International Internet bandwidth (bit/s per Internet user)	246	1,714	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	25.0	9.8
Mobile-cellular sub-basket (\$ a month)	..	23.3	14.9
Fixed-broadband sub-basket (\$ a month)	..	27.4	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.2	1.0	15.5
ICT goods imports (% of total goods imports)	11.1	9.4	15.0
ICT service exports (% of total service exports)	2.7	3.7	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.51	0.46	0.46
Secure Internet servers (per million people)	20.4	73.9	20.1

# South Sudan

	Sub-Saharan Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	..	..	2,519
Urban population (% of total)	..	..	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	6.0
Mobile-cellular telephone subscriptions (per 100 people)	..	..	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	57.1
International Internet bandwidth (bit/s per Internet user)	..	..	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	0.14	0.31
Secure Internet servers (per million people)	..	..	3.4

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	43	46	1,127
Urban population (% of total)	77	77	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,450	31,750	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	0.7	0.6
Adult literacy rate (% ages 15 and older)	98	98	98
Gross primary, secondary, tertiary school enrollment (%)	96	100	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.1	2.7	2.6
Telecommunications investment (% of revenue)	19.6	14.1	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	44.8	43.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	98.4	112.0	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	11.60	22.86	26.54
Households with a computer (%)	55.0	68.7	77.1
Households with Internet access at home (%)	35.5	59.1	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	93.1	110.9	..
Individuals using the Internet (%)	47.9	65.8	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	80.8	98.8	96.0
International Internet bandwidth (bit/s per Internet user)	5,798 <sup>a</sup>	56,071 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	27.0	21.2
Mobile-cellular sub-basket (\$ a month)	..	53.2	22.3
Fixed-broadband sub-basket (\$ a month)	..	26.2	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	3.7	2.2	10.4
ICT goods imports (% of total goods imports)	7.2	6.7	12.5
ICT service exports (% of total service exports)	5.4	6.9	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.72	0.76	0.68
Secure Internet servers (per million people)	81.7	284.2	1,068.0

# Sri Lanka

## South Asia

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	20	21	2,519
Urban population (% of total)	15	15	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,190	2,240	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.3	6.1	6.4
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)	66	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	C	P	
Internet service	C	P	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.5	..	3.4
Telecommunications investment (% of revenue)	12.2	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	6.3	17.2	6.0
Mobile-cellular telephone subscriptions (per 100 people)	16.9	83.2	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.11 <sup>a</sup>	1.09	1.04
Households with a computer (%)	5.0	12.3 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.1 <sup>a</sup>	5.9 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	74.7	89.5	..
Individuals using the Internet (%)	1.8 <sup>a</sup>	12.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	85	98	86
Fixed (wired)-broadband subscriptions (% of total Internet)	18.3	76.6	57.1
International Internet bandwidth (bit/s per Internet user)	1,403	3,316	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.9	5.3
Mobile-cellular sub-basket (\$ a month)	..	1.9	10.7
Fixed-broadband sub-basket (\$ a month)	..	5.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.1	0.5	8.3
ICT goods imports (% of total goods imports)	4.9	2.9	10.4
ICT service exports (% of total service exports)	8.2	14.1	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.42	0.38	0.31
Secure Internet servers (per million people)	1.8	6.0	3.4

# St. Kitts and Nevis

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2010
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.05	0.05	2,452
Urban population (% of total)	32	32	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,130	11,830	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.2	1.6	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	..	75	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.7	7.2	2.4
Telecommunications investment (% of revenue)	25.3	7.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	41.3	37.8	21.5
Mobile-cellular telephone subscriptions (per 100 people)	103.7	152.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	13.22	27.86	8.34
Households with a computer (%)	17.3 <sup>a</sup>	47.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	..	..	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	58.2	63.5	3.2
Domestic mobile traffic (minutes/subscriber/month)	102.1	32.3	137.9
Individuals using the Internet (%)	34.0 <sup>a</sup>	76.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	69.0
International Internet bandwidth (bit/s per Internet user)	..	67,796 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.6	9.8
Mobile-cellular sub-basket (\$ a month)	..	15.2	14.9
Fixed-broadband sub-basket (\$ a month)	..	36.7	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.4	26.5	15.5
ICT goods imports (% of total goods imports)	8.3	4.5	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.48	0.18	0.46
Secure Internet servers (per million people)	1,016.8	1,221.5	20.1

# St. Lucia

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.16	0.17	2,452
Urban population (% of total)	28	28	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,130	6,560	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.4	2.7	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	73	73	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	M	..	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	8.8	7.5	2.4
Telecommunications investment (% of revenue)	9.4	15.2	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	23.6	21.5	21.5
Mobile-cellular telephone subscriptions (per 100 people)	63.9	114.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	4.24 <sup>a</sup>	11.58	8.34
Households with a computer (%)	..	..	35.2
Households with Internet access at home (%)	..	..	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	52.9	30.0	3.2
Domestic mobile traffic (minutes/subscriber/month)	64.7	101.8	137.9
Individuals using the Internet (%)	21.6	40.0 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	80	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	102.6	98.4	69.0
International Internet bandwidth (bit/s per Internet user)	..	57,383 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.6	9.8
Mobile-cellular sub-basket (\$ a month)	..	22.2	14.9
Fixed-broadband sub-basket (\$ a month)	..	29.3	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.8	4.2	15.5
ICT goods imports (% of total goods imports)	5.5	3.9	15.0
ICT service exports (% of total service exports)	3.8	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.47	0.35	0.46
Secure Internet servers (per million people)	36.5	119.6	20.1

# St. Martin (French part)

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.03	0.03	1,127
Urban population (% of total)	..	..	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	44.4
Mobile-cellular telephone subscriptions (per 100 people)	..	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	..	..	1,068.0

# St. Vincent & Grenadines

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.11	0.11	2,452
Urban population (% of total)	46	48	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,980	6,320	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	3.8	2.1	6.3
Adult literacy rate (% ages 15 and older)	..	..	93
Gross primary, secondary, tertiary school enrollment (%)	78	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	9.3	7.9	2.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	20.7	19.9	21.5
Mobile-cellular telephone subscriptions (per 100 people)	64.9	120.5	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	3.35	11.43	8.34
Households with a computer (%)	16.8 <sup>a</sup>	57.1 <sup>a</sup>	35.2
Households with Internet access at home (%)	14.1	44.3 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	..	137.9
Individuals using the Internet (%)	9.2	69.6	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	97.9	69.0
International Internet bandwidth (bit/s per Internet user)	2,999	395	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	10.9	9.8
Mobile-cellular sub-basket (\$ a month)	..	14.8	14.9
Fixed-broadband sub-basket (\$ a month)	..	33.6	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	1.4	1.4	15.5
ICT goods imports (% of total goods imports)	6.4	3.7	15.0
ICT service exports (% of total service exports)	..	6.6	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.43	0.31	0.46
Secure Internet servers (per million people)	101.1	128.0	20.1



# Sudan

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	38	44	2,519
Urban population (% of total)	41	45	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	610	1,270	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.2	7.2	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	35	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	P	P	
Internet service	P	C	
Foreign ownership (percentage allowed)	74	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	3.2	3.4
Telecommunications investment (% of revenue)	384.0	418.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.5	0.9 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	4.8 <sup>a</sup>	40.5 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.38 <sup>a</sup>	1.04
Households with a computer (%)	3.0	5.2 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.7	1.3 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	5.6	3.8	6.1
Domestic mobile traffic (minutes/subscriber/month)	81.1	65.3	..
Individuals using the Internet (%)	1.3	10.2	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	34	66	86
Fixed (wired)-broadband subscriptions (% of total Internet)	4.7	..	57.1
International Internet bandwidth (bit/s per Internet user)	407	431	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	3.9	5.3
Mobile-cellular sub-basket (\$ a month)	..	3.4	10.7
Fixed-broadband sub-basket (\$ a month)	..	23.3	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	4.2	3.3	10.4
ICT service exports (% of total service exports)	5.4	25.8	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.22	0.25	0.31
Secure Internet servers (per million people)	0.0	0.0	3.4

# Suriname

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.50	0.53	2,452
Urban population (% of total)	74	76	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,320	5,920	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.9	4.3	6.3
Adult literacy rate (% ages 15 and older)	90	95	93
Gross primary, secondary, tertiary school enrollment (%)	70	..	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	P	C	
Foreign ownership (percentage allowed)	40	40	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.7	..	2.4
Telecommunications investment (% of revenue)	32.4	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	16.2	16.2	21.5
Mobile-cellular telephone subscriptions (per 100 people)	46.6	169.6 <sup>a</sup>	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.22	2.99	8.34
Households with a computer (%)	17.3 <sup>a</sup>	29.9 <sup>a</sup>	35.2
Households with Internet access at home (%)	5.2 <sup>a</sup>	11.9 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	43.0	67.6	137.9
Individuals using the Internet (%)	6.4	31.6	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	15.9	67.9	69.0
International Internet bandwidth (bit/s per Internet user)	1,408	3,098	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.2	9.8
Mobile-cellular sub-basket (\$ a month)	..	13.1	14.9
Fixed-broadband sub-basket (\$ a month)	..	42.1	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.1	15.5
ICT goods imports (% of total goods imports)	3.3	3.0	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.35	0.16	0.46
Secure Internet servers (per million people)	10.0	34.0	20.1

# Swaziland

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	1	2,519
Urban population (% of total)	24	26	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,600	2,930	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.2	2.4	6.4
Adult literacy rate (% ages 15 and older)	80	87	71
Gross primary, secondary, tertiary school enrollment (%)	61	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	<i>M</i>	<i>M</i>	
Internet service	<i>C</i>	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	12.4	4.2	3.4
Telecommunications investment (% of revenue)	13.2	22.4	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	3.2	3.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	18.1	61.8 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.14	1.04
Households with a computer (%)	8.6 <sup>a</sup>	10.7 <sup>a</sup>	11.3
Households with Internet access at home (%)	3.0 <sup>a</sup>	3.6 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	7.0	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.7 <sup>a</sup>	8.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	90	91	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	6.8	57.1
International Internet bandwidth (bit/s per Internet user)	24 <sup>a</sup>	578 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	5.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	24.2	10.7
Fixed-broadband sub-basket (\$ a month)	..	874.6	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	..	8.3
ICT goods imports (% of total goods imports)	2.2	..	10.4
ICT service exports (% of total service exports)	4.7	9.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.35	0.14	0.31
Secure Internet servers (per million people)	2.0	15.0	3.4

# Sweden

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	9	9	1,127
Urban population (% of total)	84	85	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	42,920	50,100	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.8	0.8	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	92	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.8	1.6	2.6
Telecommunications investment (% of revenue)	17.8	17.8	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	62.4	52.5	44.4
Mobile-cellular telephone subscriptions (per 100 people)	100.8	116.1	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	27.93	31.85	26.54
Households with a computer (%)	80.0	89.5	77.1
Households with Internet access at home (%)	72.5	88.3	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	90.8	124.3	..
Individuals using the Internet (%)	84.8	90.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.7	92.4	96.0
International Internet bandwidth (bit/s per Internet user)	20,580 <sup>a</sup>	236,919 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	25.5	21.2
Mobile-cellular sub-basket (\$ a month)	..	17.2	22.3
Fixed-broadband sub-basket (\$ a month)	..	34.5	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	11.2	9.8	10.4
ICT goods imports (% of total goods imports)	11.1	11.3	12.5
ICT service exports (% of total service exports)	9.7	13.9	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.92	0.84	0.68
Secure Internet servers (per million people)	331.2	1,455.3	1,068.0

# Switzerland

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	7	8	1,127
Urban population (% of total)	73	74	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	56,870	71,520	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.2	1.8	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	85	86	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	3.2	2.6
Telecommunications investment (% of revenue)	12.6	12.2	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	69.5	57.1	44.4
Mobile-cellular telephone subscriptions (per 100 people)	92.2	124.3	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	22.51	37.94	26.54
Households with a computer (%)	76.5	86.9 <sup>a</sup>	77.1
Households with Internet access at home (%)	67.0 <sup>a</sup>	86.4 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	57.6	91.9	..
Individuals using the Internet (%)	70.1	83.9	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	64.6	97.1	96.0
International Internet bandwidth (bit/s per Internet user)	13,749 <sup>a</sup>	155,512 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	29.4	21.2
Mobile-cellular sub-basket (\$ a month)	..	57.0	22.3
Fixed-broadband sub-basket (\$ a month)	..	32.7	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.6	1.6	10.4
ICT goods imports (% of total goods imports)	7.4	5.9	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.76	0.67	0.68
Secure Internet servers (per million people)	472.8	2,153.1	1,068.0

# Syrian Arab Republic

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	18	20	2,519
Urban population (% of total)	53	55	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,500	2,750	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.7	5.0	6.4
Adult literacy rate (% ages 15 and older)	81	84	71
Gross primary, secondary, tertiary school enrollment (%)	66	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.6	11.7	3.4
Telecommunications investment (% of revenue)	7.5	15.4	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	15.7	19.9	6.0
Mobile-cellular telephone subscriptions (per 100 people)	16.0	57.8	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 <sup>a</sup>	0.33	1.04
Households with a computer (%)	28.0	40.4 <sup>a</sup>	11.3
Households with Internet access at home (%)	26.0	35.2 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	13.6	11.7	6.1
Domestic mobile traffic (minutes/subscriber/month)	130.2	0.1	..
Individuals using the Internet (%)	5.6	20.7	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	92	98	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	6.9	57.1
International Internet bandwidth (bit/s per Internet user)	328 <sup>a</sup>	1,357	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	19.9	10.7
Fixed-broadband sub-basket (\$ a month)	..	21.6	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	3.3	1.1	10.4
ICT service exports (% of total service exports)	6.4	1.9	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.36	0.23	0.31
Secure Internet servers (per million people)	0.1	0.2	3.4

# Tajikistan

Europe & Central Asia

Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	6	7	796
Urban population (% of total)	26	27	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	340	800	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	10.1	6.9	5.7
Adult literacy rate (% ages 15 and older)	99	100	61
Gross primary, secondary, tertiary school enrollment (%)	72	72	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.9	..	..
Telecommunications investment (% of revenue)	71.4	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.3	5.3	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.1	86.4	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.06	0.07 <sup>a</sup>	0.05
Households with a computer (%)	1.0 <sup>a</sup>	2.9 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.1	0.2 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	7.3	..	..
Individuals using the Internet (%)	0.3	11.6 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	2.2	..	..
International Internet bandwidth (bit/s per Internet user)	104 <sup>a</sup>	..	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	0.9	8.8
Mobile-cellular sub-basket (\$ a month)	..	1.8	13.0
Fixed-broadband sub-basket (\$ a month)	..	362.5	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	9.3	37.0	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.32	0.24	0.20
Secure Internet servers (per million people)	..	0.6	0.8

# Tanzania

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	39	45	796
Urban population (% of total)	24	26	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	540	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.1	6.9	5.7
Adult literacy rate (% ages 15 and older)	69	73	61
Gross primary, secondary, tertiary school enrollment (%)	51	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	51	51	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.4	0.4	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.6	46.8	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	0.05
Households with a computer (%)	2.1 <sup>a</sup>	2.6 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.5 <sup>a</sup>	0.7 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	3.2	1.2	..
Domestic mobile traffic (minutes/subscriber/month)	7.1	56.7	..
Individuals using the Internet (%)	4.3 <sup>a</sup>	11.0	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	45	85	..
Fixed (wired)-broadband subscriptions (% of total Internet)	1.6	0.6	..
International Internet bandwidth (bit/s per Internet user)	60 <sup>a</sup>	701	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.8	8.8
Mobile-cellular sub-basket (\$ a month)	..	9.7	13.0
Fixed-broadband sub-basket (\$ a month)	..	20.8	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.3	0.4	..
ICT goods imports (% of total goods imports)	5.8	3.8	..
ICT service exports (% of total service exports)	2.7	2.1	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.29	0.35	0.20
Secure Internet servers (per million people)	0.1	0.5	0.8



# Thailand

## East Asia & Pacific

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	67	69	2,452
Urban population (% of total)	32	34	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,560	4,150	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.5	3.0	6.3
Adult literacy rate (% ages 15 and older)	94	..	93
Gross primary, secondary, tertiary school enrollment (%)	72	72	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	20	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.2	..	2.4
Telecommunications investment (% of revenue)	10.0	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	10.5	10.0	21.5
Mobile-cellular telephone subscriptions (per 100 people)	46.7	103.6	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.16 <sup>a</sup>	4.61	8.34
Households with a computer (%)	15.5	22.8	35.2
Households with Internet access at home (%)	7.2 <sup>a</sup>	11.4	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	3.2
Domestic mobile traffic (minutes/subscriber/month)	..	21.5	137.9
Individuals using the Internet (%)	15.0	21.2 <sup>a</sup>	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	26	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	70.3	..	69.0
International Internet bandwidth (bit/s per Internet user)	679	10,829	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.8	9.8
Mobile-cellular sub-basket (\$ a month)	..	8.7	14.9
Fixed-broadband sub-basket (\$ a month)	..	18.9	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	23.4	18.9	15.5
ICT goods imports (% of total goods imports)	17.4	14.2	15.0
ICT service exports (% of total service exports)	..	..	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.50	0.51	0.46
Secure Internet servers (per million people)	4.7	16.6	20.1

# Timor-Leste

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	1	2,519
Urban population (% of total)	26	28	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	2,220	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.5	6.9	6.4
Adult literacy rate (% ages 15 and older)	51	..	71
Gross primary, secondary, tertiary school enrollment (%)	..	71	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.2	8.1	3.4
Telecommunications investment (% of revenue)	16.9	28.6	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.2	0.3 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	3.3	53.4 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04 <sup>a</sup>	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	20.0	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	70.6	36.8	..
Individuals using the Internet (%)	0.1	0.2 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	50	69	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.4	42.9	57.1
International Internet bandwidth (bit/s per Internet user)	4,997	15,214 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	17.3	5.3
Mobile-cellular sub-basket (\$ a month)	..	16.1	10.7
Fixed-broadband sub-basket (\$ a month)	..	99.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	5.2	..	8.3
ICT goods imports (% of total goods imports)	3.4	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.25	0.22	0.31
Secure Internet servers (per million people)	1.0	2.6	3.4

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	6	796
Urban population (% of total)	40	43	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	340	490	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.5	2.9	5.7
Adult literacy rate (% ages 15 and older)	57	..	61
Gross primary, secondary, tertiary school enrollment (%)	63	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	70-100	70-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	6.3	9.5	..
Telecommunications investment (% of revenue)	34.7	15.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	1.2	3.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	8.0	40.7	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	0.05
Households with a computer (%)	2.0	3.7 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.8	1.3 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	22.5	8.5	..
Domestic mobile traffic (minutes/subscriber/month)	22.0	22.2	..
Individuals using the Internet (%)	4.0 <sup>a</sup>	5.4 <sup>a</sup>	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	85	75	..
Fixed (wired)-broadband subscriptions (% of total Internet)	1.9	6.4	..
International Internet bandwidth (bit/s per Internet user)	66	4,280	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	11.0	8.8
Mobile-cellular sub-basket (\$ a month)	..	19.9	13.0
Fixed-broadband sub-basket (\$ a month)	..	165.6	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.2	..
ICT goods imports (% of total goods imports)	3.9	5.1	..
ICT service exports (% of total service exports)	6.9	18.6	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.22	0.14	0.20
Secure Internet servers (per million people)	0.4	2.1	0.8

# Tonga

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.10	0.10	2,519
Urban population (% of total)	24	25	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,470	3,290	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.1	0.4	6.4
Adult literacy rate (% ages 15 and older)	99	..	71
Gross primary, secondary, tertiary school enrollment (%)	83	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	..	C	
Internet service	P	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	13.6	29.8 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	29.6 <sup>a</sup>	52.2 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.64	0.96 <sup>a</sup>	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	4.9 <sup>a</sup>	12.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	37.0	16.2	57.1
International Internet bandwidth (bit/s per Internet user)	404 <sup>a</sup>	4,004 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	6.4	5.3
Mobile-cellular sub-basket (\$ a month)	..	11.0	10.7
Fixed-broadband sub-basket (\$ a month)	..	54.1	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	0.0	8.3
ICT goods imports (% of total goods imports)	2.8	6.4	10.4
ICT service exports (% of total service exports)	13.1	2.6	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.40	0.24	0.31
Secure Internet servers (per million people)	9.8	28.7	3.4

# Trinidad and Tobago

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	1	1	1,127
Urban population (% of total)	12	14	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,880	15,380	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.7	2.7	0.6
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	64	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	..	
Mobile telephone service	M	P	
Internet service	C	P	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.4	2.8	2.6
Telecommunications investment (% of revenue)	..	692.1	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	24.5	21.9	44.4
Mobile-cellular telephone subscriptions (per 100 people)	70.3	141.2	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	10.81	26.54
Households with a computer (%)	31.0	53.1 <sup>a</sup>	77.1
Households with Internet access at home (%)	17.0	19.8 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	27.0	..	..
Domestic mobile traffic (minutes/subscriber/month)	272.8	225.6	..
Individuals using the Internet (%)	29.0 <sup>a</sup>	48.5	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	16.6	84.8	96.0
International Internet bandwidth (bit/s per Internet user)	1,286	17,842	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	19.5	21.2
Mobile-cellular sub-basket (\$ a month)	..	12.1	22.3
Fixed-broadband sub-basket (\$ a month)	..	12.5	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	0.2	10.4
ICT goods imports (% of total goods imports)	4.0	3.0	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.53	0.48	0.68
Secure Internet servers (per million people)	21.3	85.4	1,068.0

# Turkey

## Europe & Central Asia

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	68	73	2,452
Urban population (% of total)	67	70	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,480	9,890	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.2	2.3	6.3
Adult literacy rate (% ages 15 and older)	88	91	93
Gross primary, secondary, tertiary school enrollment (%)	72	76	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	..	
Mobile telephone service	P	..	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.6	2.0	2.4
Telecommunications investment (% of revenue)	11.0	17.3	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	27.9	22.3	21.5
Mobile-cellular telephone subscriptions (per 100 people)	64.0	84.9	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	2.33	9.73	8.34
Households with a computer (%)	12.0	44.2	35.2
Households with Internet access at home (%)	7.7	41.6	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	3.9	7.9	3.2
Domestic mobile traffic (minutes/subscriber/month)	68.3	169.7	137.9
Individuals using the Internet (%)	15.5	39.8	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	96	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	70.6	98.0	69.0
International Internet bandwidth (bit/s per Internet user)	2,772	19,087	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	16.8	9.8
Mobile-cellular sub-basket (\$ a month)	..	43.9	14.9
Fixed-broadband sub-basket (\$ a month)	..	19.2	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.4	1.8	15.5
ICT goods imports (% of total goods imports)	6.1	4.5	15.0
ICT service exports (% of total service exports)	1.8	1.6	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.48	0.46	0.46
Secure Internet servers (per million people)	18.0	142.5	20.1

# Turkmenistan

## Europe & Central Asia

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	5	5	2,519
Urban population (% of total)	47	50	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,650	3,790	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	16.7	10.8	6.4
Adult literacy rate (% ages 15 and older)	..	100	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.5	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	8.4	10.3	6.0
Mobile-cellular telephone subscriptions (per 100 people)	2.2 <sup>a</sup>	63.4	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	..	0.01	1.04
Households with a computer (%)	1.9 <sup>a</sup>	12.0 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.9 <sup>a</sup>	7.0 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.0 <sup>a</sup>	2.2 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	14	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	57.1
International Internet bandwidth (bit/s per Internet user)	1,605 <sup>a</sup>	3,516	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.33	0.19	0.31
Secure Internet servers (per million people)	..	0.2	3.4

# Turks and Caicos Islands

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.03	0.04	1,127
Urban population (% of total)	90	93	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	72	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	..	..	44.4
Mobile-cellular telephone subscriptions (per 100 people)	..	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	..	..	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	..	..	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	..	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.0	..	10.4
ICT goods imports (% of total goods imports)	4.6	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	..	459.4	1,068.0



## Middle East & North Africa

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	10	11	2,452
Urban population (% of total)	65	67	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,200	4,160	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.4	4.6	6.3
Adult literacy rate (% ages 15 and older)	74	78	93
Gross primary, secondary, tertiary school enrollment (%)	78	78	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	3-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	3.9	2.4
Telecommunications investment (% of revenue)	21.7	15.9	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	12.7	12.3	21.5
Mobile-cellular telephone subscriptions (per 100 people)	57.3	106.0	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.18	4.60	8.34
Households with a computer (%)	7.2	17.0 <sup>a</sup>	35.2
Households with Internet access at home (%)	2.1	7.7 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	7.1	5.8	3.2
Domestic mobile traffic (minutes/subscriber/month)	35.5	61.7	137.9
Individuals using the Internet (%)	9.7	36.8	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	98	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	88.7	69.0
International Internet bandwidth (bit/s per Internet user)	784	13,275	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.5	9.8
Mobile-cellular sub-basket (\$ a month)	..	10.0	14.9
Fixed-broadband sub-basket (\$ a month)	..	10.5	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.0	6.5	15.5
ICT goods imports (% of total goods imports)	4.6	6.3	15.0
ICT service exports (% of total service exports)	1.6	5.9	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.35	0.48	0.46
Secure Internet servers (per million people)	1.4	19.3	20.1

# Tuvalu

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.01	0.01	2,519
Urban population (% of total)	48	50	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,780	4,760	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.3	1.9	6.4
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	<i>M</i>	..	
Internet service	<i>M</i>	<i>M</i>	
Foreign ownership (percentage allowed)	40-70	40-70	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	9.2	16.5 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	13.4	25.4 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	1.55	3.26	1.04
Households with a computer (%)	..	..	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	2.9	..	..
Individuals using the Internet (%)	10.0	25.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	13	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	28.8	..	57.1
International Internet bandwidth (bit/s per Internet user)	3,073	2,442	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	7.3	..	8.3
ICT goods imports (% of total goods imports)	6.1	2.1	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.00	0.05	0.31
Secure Internet servers (per million people)	..	102.2	3.4

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	28	33	796
Urban population (% of total)	13	13	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	500	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	6.9	8.1	5.7
Adult literacy rate (% ages 15 and older)	68	73	61
Gross primary, secondary, tertiary school enrollment (%)	65	69	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	C	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.1	4.3	..
Telecommunications investment (% of revenue)	23.4	26.5	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.3	1.0	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.6	38.4	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.16	0.05
Households with a computer (%)	0.8 <sup>a</sup>	2.1 <sup>a</sup>	2.8
Households with Internet access at home (%)	0.1 <sup>a</sup>	0.4 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	119.4	51.4	..
Individuals using the Internet (%)	1.7	12.5	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	100	..
Fixed (wired)-broadband subscriptions (% of total Internet)	8.9	40.9	..
International Internet bandwidth (bit/s per Internet user)	122	864	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	8.8	8.8
Mobile-cellular sub-basket (\$ a month)	..	12.2	13.0
Fixed-broadband sub-basket (\$ a month)	..	13.8	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.0	5.7	..
ICT goods imports (% of total goods imports)	7.5	7.4	..
ICT service exports (% of total service exports)	9.7	5.2	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.31	0.29	0.20
Secure Internet servers (per million people)	0.0	1.5	0.8

# Ukraine

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	47	46	2,519
Urban population (% of total)	68	68	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,540	3,000	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	8.0	0.3	6.4
Adult literacy rate (% ages 15 and older)	99	100	71
Gross primary, secondary, tertiary school enrollment (%)	88	92	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	..	C	
Foreign ownership (percentage allowed)	..	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	5.9	4.0	3.4
Telecommunications investment (% of revenue)	32.8	13.6	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	24.9	28.5	6.0
Mobile-cellular telephone subscriptions (per 100 people)	64.0	118.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.28	6.50	1.04
Households with a computer (%)	11.5	30.7	11.3
Households with Internet access at home (%)	3.0	20.7	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.7	45.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	96	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.5	80.7	57.1
International Internet bandwidth (bit/s per Internet user)	463 <sup>a</sup>	5,867 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	3.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	7.5	10.7
Fixed-broadband sub-basket (\$ a month)	..	7.6	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.5	1.1	8.3
ICT goods imports (% of total goods imports)	4.0	3.2	10.4
ICT service exports (% of total service exports)	2.6	5.5	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.57	0.42	0.31
Secure Internet servers (per million people)	1.3	17.8	3.4

# United Arab Emirates

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	8	1,127
Urban population (% of total)	78	78	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	42,280	41,930	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.8	2.8	0.6
Adult literacy rate (% ages 15 and older)	90	..	98
Gross primary, secondary, tertiary school enrollment (%)	67	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	P	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (percentage allowed)	..	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.9	3.6	2.6
Telecommunications investment (% of revenue)	9.8	26.4	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	30.4	19.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	111.4	145.5	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	3.18	10.47	26.54
Households with a computer (%)	36.5 <sup>a</sup>	76.0	77.1
Households with Internet access at home (%)	30.4 <sup>a</sup>	65.0	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	128.0	..
Individuals using the Internet (%)	40.0 <sup>a</sup>	78.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	57.2	96.0
International Internet bandwidth (bit/s per Internet user)	3,142	17,938	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	4.1	21.2
Mobile-cellular sub-basket (\$ a month)	..	8.6	22.3
Fixed-broadband sub-basket (\$ a month)	..	40.6	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	4.3	2.0	10.4
ICT goods imports (% of total goods imports)	8.1	4.5	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.63	0.86	0.68
Secure Internet servers (per million people)	54.8	180.3	1,068.0

# United Kingdom

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	60	62	1,127
Urban population (% of total)	90	90	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	38,850	38,200	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.9	0.1	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	92	90	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	..	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.7	4.5	2.6
Telecommunications investment (% of revenue)	..	8.2	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	56.6	53.8	44.4
Mobile-cellular telephone subscriptions (per 100 people)	108.8	130.8	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	16.44	31.56	26.54
Households with a computer (%)	70.0	82.6	77.1
Households with Internet access at home (%)	60.2	79.6	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	87.6	128.0	..
Individuals using the Internet (%)	70.0	85.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	95.4	96.0
International Internet bandwidth (bit/s per Internet user)	52,895	132,751 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	21.0	21.2
Mobile-cellular sub-basket (\$ a month)	..	31.0	22.3
Fixed-broadband sub-basket (\$ a month)	..	24.6	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	14.0	5.9	10.4
ICT goods imports (% of total goods imports)	12.3	9.3	12.5
ICT service exports (% of total service exports)	8.4	8.8	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.79	0.97	0.68
Secure Internet servers (per million people)	466.0	1,594.3	1,068.0

# United States

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	296	309	1,127
Urban population (% of total)	81	82	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	44,660	47,340	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	2.5	0.4	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	94	98	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.0	2.0	2.6
Telecommunications investment (% of revenue)	16.9	23.8	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	59.0	48.7	44.4
Mobile-cellular telephone subscriptions (per 100 people)	68.6	89.9	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	17.23	27.62	26.54
Households with a computer (%)	67.1	75.5 <sup>a</sup>	77.1
Households with Internet access at home (%)	58.1 <sup>a</sup>	71.6 <sup>a</sup>	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	20.1	19.2	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	68.0 <sup>a</sup>	74.0	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	90.0	96.2	96.0
International Internet bandwidth (bit/s per Internet user)	7,217 <sup>a</sup>	39,184 <sup>a</sup>	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	12.8	21.2
Mobile-cellular sub-basket (\$ a month)	..	32.7	22.3
Fixed-broadband sub-basket (\$ a month)	..	20.0	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	14.3	10.5	10.4
ICT goods imports (% of total goods imports)	13.7	14.2	12.5
ICT service exports (% of total service exports)	3.3	4.6	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.86	1.00	0.68
Secure Internet servers (per million people)	785.2	1,561.9	1,068.0

# Uruguay

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	3	3	2,452
Urban population (% of total)	92	93	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,740	10,230	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	0.0	5.8	6.3
Adult literacy rate (% ages 15 and older)	98	98	93
Gross primary, secondary, tertiary school enrollment (%)	91	89	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	C	P	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.8	3.1	2.4
Telecommunications investment (% of revenue)	8.0	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	30.3	28.6	21.5
Mobile-cellular telephone subscriptions (per 100 people)	34.8	131.7	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.46	10.91	8.34
Households with a computer (%)	21.0 <sup>a</sup>	52.8 <sup>a</sup>	35.2
Households with Internet access at home (%)	13.3 <sup>a</sup>	33.3 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	8.9	6.4	3.2
Domestic mobile traffic (minutes/subscriber/month)	28.1	89.5	137.9
Individuals using the Internet (%)	20.1	47.7	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	100	100	99
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	98.0	69.0
International Internet bandwidth (bit/s per Internet user)	2,397	22,988	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	13.3	9.8
Mobile-cellular sub-basket (\$ a month)	..	17.8	14.9
Fixed-broadband sub-basket (\$ a month)	..	19.3	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.1	15.5
ICT goods imports (% of total goods imports)	6.3	6.4	15.0
ICT service exports (% of total service exports)	7.9	8.2	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.56	0.55	0.46
Secure Internet servers (per million people)	27.2	70.4	20.1



# Uzbekistan

## Europe & Central Asia

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	26	28	2,519
Urban population (% of total)	37	37	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	530	1,280	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	5.3	8.6	6.4
Adult literacy rate (% ages 15 and older)	97	99	71
Gross primary, secondary, tertiary school enrollment (%)	74	72	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	C	C	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.2	..	3.4
Telecommunications investment (% of revenue)	31.7	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	6.9	6.8 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	2.8	76.3 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.03 <sup>a</sup>	0.32 <sup>a</sup>	1.04
Households with a computer (%)	1.0	4.5 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.5	1.3 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	154.3	..
Individuals using the Internet (%)	3.3	20.0 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	75	93	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.0	3.2	57.1
International Internet bandwidth (bit/s per Internet user)	165	273 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.1	5.3
Mobile-cellular sub-basket (\$ a month)	..	3.0	10.7
Fixed-broadband sub-basket (\$ a month)	..	200.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	8.3
ICT goods imports (% of total goods imports)	..	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.41	0.50	0.31
Secure Internet servers (per million people)	0.0	0.5	3.4

# Vanuatu

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.21	0.24	2,519
Urban population (% of total)	24	26	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,760	2,640	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.1	5.3	6.4
Adult literacy rate (% ages 15 and older)	78	82	71
Gross primary, secondary, tertiary school enrollment (%)	63	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	P	
Mobile telephone service	..	C	
Internet service	..	P	
Foreign ownership (percentage allowed)	..	60-90	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	..	3.4
Telecommunications investment (% of revenue)	20.0	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	3.3	2.1 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	6.0	119.0 <sup>a</sup>	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.21 <sup>a</sup>	1.04
Households with a computer (%)	4.0	4.6 <sup>a</sup>	11.3
Households with Internet access at home (%)	..	..	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	5.1	8.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	20	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.7	19.3	57.1
International Internet bandwidth (bit/s per Internet user)	373	2,764 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	41.0	5.3
Mobile-cellular sub-basket (\$ a month)	..	23.3	10.7
Fixed-broadband sub-basket (\$ a month)	..	171.0	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.2	..	8.3
ICT goods imports (% of total goods imports)	2.8	..	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.25	0.22	0.31
Secure Internet servers (per million people)	132.6	219.9	3.4

# Venezuela, RB

## Latin America & Caribbean

## Upper middle income

	Country data		Upper middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	27	29	2,452
Urban population (% of total)	92	94	57
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,950	11,590	5,886
GDP growth, 2000-05 and 2005-10 (avg. annual %)	1.5	3.7	6.3
Adult literacy rate (% ages 15 and older)	95	..	93
Gross primary, secondary, tertiary school enrollment (%)	76	89	73
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	..	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	100	100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	3.5	3.3	2.4
Telecommunications investment (% of revenue)	27.5	10.8	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	13.7	24.4	21.5
Mobile-cellular telephone subscriptions (per 100 people)	46.9	96.2	84.3
Fixed (wired)-broadband subscriptions (per 100 people)	1.34	5.37	8.34
Households with a computer (%)	10.3	17.3 <sup>a</sup>	35.2
Households with Internet access at home (%)	2.5	9.7 <sup>a</sup>	25.1
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	6.3	3.8	3.2
Domestic mobile traffic (minutes/subscriber/month)	91.6	68.0	137.9
Individuals using the Internet (%)	12.6	35.7	34.1
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	90	..	99
Fixed (wired)-broadband subscriptions (% of total Internet)	55.9	86.4	69.0
International Internet bandwidth (bit/s per Internet user)	399 <sup>a</sup>	6,772 <sup>a</sup>	9,037
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.7	9.8
Mobile-cellular sub-basket (\$ a month)	..	22.3	14.9
Fixed-broadband sub-basket (\$ a month)	..	15.9	17.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	15.5
ICT goods imports (% of total goods imports)	11.9	7.6	15.0
ICT service exports (% of total service exports)	6.8	8.2	5.8
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.51	0.48	0.46
Secure Internet servers (per million people)	4.6	8.1	20.1

# Vietnam

## East Asia & Pacific

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	82	87	2,519
Urban population (% of total)	26	29	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	1,160	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	7.5	6.9	6.4
Adult literacy rate (% ages 15 and older)	90	93	71
Gross primary, secondary, tertiary school enrollment (%)	65	66	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	4.7	7.1	3.4
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	10.2	18.7	6.0
Mobile-cellular telephone subscriptions (per 100 people)	11.5	175.3	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.25	4.13	1.04
Households with a computer (%)	6.3 <sup>a</sup>	14.2 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.5 <sup>a</sup>	12.5 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	12.7	27.6	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	7.2	30.6	57.1
International Internet bandwidth (bit/s per Internet user)	341	5,552	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	2.4	5.3
Mobile-cellular sub-basket (\$ a month)	..	5.4	10.7
Fixed-broadband sub-basket (\$ a month)	..	10.5	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	2.8	5.8	8.3
ICT goods imports (% of total goods imports)	6.1	8.6	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.46	0.42	0.31
Secure Internet servers (per million people)	0.1	4.7	3.4

# Virgin Islands (U.S.)

High income

	Country data		High-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	0.11	0.11	1,127
Urban population (% of total)	94	95	78
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	38,746
GDP growth, 2000-05 and 2005-10 (avg. annual %)	..	..	0.6
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.3
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	65.6 <sup>a</sup>	69.5 <sup>a</sup>	44.4
Mobile-cellular telephone subscriptions (per 100 people)	73.4 <sup>a</sup>	..	110.8
Fixed (wired)-broadband subscriptions (per 100 people)	2.71	8.34 <sup>a</sup>	26.54
Households with a computer (%)	..	..	77.1
Households with Internet access at home (%)	..	..	74.0
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	27.3 <sup>a</sup>	27.4 <sup>a</sup>	73.6
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	96.0
International Internet bandwidth (bit/s per Internet user)	1,505 <sup>a</sup>	..	60,241
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	21.2
Mobile-cellular sub-basket (\$ a month)	..	..	22.3
Fixed-broadband sub-basket (\$ a month)	..	..	26.3
<b>Trade</b>			
ICT goods exports (% of total goods exports)	..	..	10.4
ICT goods imports (% of total goods imports)	..	..	12.5
ICT service exports (% of total service exports)	..	..	8.1
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.68
Secure Internet servers (per million people)	209.9	447.1	1,068.0

# West Bank and Gaza

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	4	4	2,519
Urban population (% of total)	72	72	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,250	..	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-0.9	..	6.4
Adult literacy rate (% ages 15 and older)	93	95	71
Gross primary, secondary, tertiary school enrollment (%)	80	79	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	..	..	
Status of main fixed-line operator	..	..	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..	
Mobile telephone service	..	..	
Internet service	..	..	
Foreign ownership (percentage allowed)	..	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	0.8	..	3.4
Telecommunications investment (% of revenue)	5.1	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	9.5	9.4	6.0
Mobile-cellular telephone subscriptions (per 100 people)	16.0	45.8	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.21	..	1.04
Households with a computer (%)	29.5 <sup>a</sup>	52.5 <sup>a</sup>	11.3
Households with Internet access at home (%)	15.9	31.5 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	16.0 <sup>a</sup>	37.4 <sup>a</sup>	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	95	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	9.6	..	57.1
International Internet bandwidth (bit/s per Internet user)	422	..	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	..	5.3
Mobile-cellular sub-basket (\$ a month)	..	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	..	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.5	0.9	8.3
ICT goods imports (% of total goods imports)	2.3	3.2	10.4
ICT service exports (% of total service exports)	9.0	6.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	..	..	0.31
Secure Internet servers (per million people)	0.6	4.5	3.4

# Yemen, Rep.

## Middle East & North Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	21	24	2,519
Urban population (% of total)	29	32	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	690	1,170	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.1	4.2	6.4
Adult literacy rate (% ages 15 and older)	55	62	71
Gross primary, secondary, tertiary school enrollment (%)	55	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (percentage allowed)	0	0-100	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	1.2	3.3	3.4
Telecommunications investment (% of revenue)	25.2	29.4	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	4.4 <sup>a</sup>	4.3	6.0
Mobile-cellular telephone subscriptions (per 100 people)	11.0	46.1	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.35	1.04
Households with a computer (%)	1.9 <sup>a</sup>	4.0 <sup>a</sup>	11.3
Households with Internet access at home (%)	1.4 <sup>a</sup>	2.9 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	14.7	13.4	6.1
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.0 <sup>a</sup>	12.4	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	68	84	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.4	14.4	57.1
International Internet bandwidth (bit/s per Internet user)	28 <sup>a</sup>	1,077	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	1.1	5.3
Mobile-cellular sub-basket (\$ a month)	..	8.1	10.7
Fixed-broadband sub-basket (\$ a month)	..	119.2	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	2.1	2.0	10.4
ICT service exports (% of total service exports)	..	..	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.21	0.18	0.31
Secure Internet servers (per million people)	0.1	0.4	3.4

# Zambia

## Sub-Saharan Africa

## Lower middle income

	Country data		Lower middle-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	11	13	2,519
Urban population (% of total)	35	36	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	500	1,070	1,623
GDP growth, 2000-05 and 2005-10 (avg. annual %)	4.8	6.3	6.4
Adult literacy rate (% ages 15 and older)	69	71	71
Gross primary, secondary, tertiary school enrollment (%)	65	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	P	C	
Internet service	P	C	
Foreign ownership (percentage allowed)	60	60	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	2.6	..	3.4
Telecommunications investment (% of revenue)	29.3	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	0.8	0.7 <sup>a</sup>	6.0
Mobile-cellular telephone subscriptions (per 100 people)	8.3	41.6	71.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.08	1.04
Households with a computer (%)	1.4 <sup>a</sup>	2.4 <sup>a</sup>	11.3
Households with Internet access at home (%)	0.6 <sup>a</sup>	2.0 <sup>a</sup>	7.5
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.1
Domestic mobile traffic (minutes/subscriber/month)	28.2	..	..
Individuals using the Internet (%)	2.9 <sup>a</sup>	10.0	13.5
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	65	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	31.8	59.3	57.1
International Internet bandwidth (bit/s per Internet user)	67	382 <sup>a</sup>	4,896
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	24.1	5.3
Mobile-cellular sub-basket (\$ a month)	..	16.9	10.7
Fixed-broadband sub-basket (\$ a month)	..	59.3	32.4
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.0	0.0	8.3
ICT goods imports (% of total goods imports)	4.6	2.3	10.4
ICT service exports (% of total service exports)	8.6	8.0	27.9
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.23	0.31	0.31
Secure Internet servers (per million people)	0.2	1.6	3.4



# Zimbabwe

## Sub-Saharan Africa

## Low income

	Country data		Low-income group
	2005	2010	2010
<b>Economic and social context</b>			
Population (millions)	13	13	796
Urban population (% of total)	36	38	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	440	460	530
GDP growth, 2000-05 and 2005-10 (avg. annual %)	-8.5	-3.7	5.7
Adult literacy rate (% ages 15 and older)	..	92	61
Gross primary, secondary, tertiary school enrollment (%)	56	..	..
<b>Sector structure</b>			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	C	P	
Internet service	C	C	
Foreign ownership (percentage allowed)	49	49	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
<b>Sector efficiency and capacity</b>			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
<b>Sector performance</b>			
<b>Access</b>			
Fixed-telephone subscriptions (per 100 people)	2.6	3.0	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.1	61.2	33.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.08	0.26	0.05
Households with a computer (%)	2.0 <sup>a</sup>	5.3 <sup>a</sup>	2.8
Households with Internet access at home (%)	2.0	4.0 <sup>a</sup>	1.6
<b>Usage</b>			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.9	..
Domestic mobile traffic (minutes/subscriber/month)	51.7	36.0	..
Individuals using the Internet (%)	8.0 <sup>a</sup>	11.5	5.7
<b>Quality</b>			
Population covered by a mobile-cellular network (%)	70	80	..
Fixed (wired)-broadband subscriptions (% of total Internet)	10.6	27.3	..
International Internet bandwidth (bit/s per Internet user)	55	300	1,737
<b>Affordability</b>			
Fixed-telephone sub-basket (\$ a month)	..	9.1	8.8
Mobile-cellular sub-basket (\$ a month)	..	20.5	13.0
Fixed-broadband sub-basket (\$ a month)	..	406.0	54.6
<b>Trade</b>			
ICT goods exports (% of total goods exports)	0.1	0.0	..
ICT goods imports (% of total goods imports)	2.5	3.6	..
ICT service exports (% of total service exports)	..	..	..
<b>Applications</b>			
E-government Web measure index (0-1, 1=highest presence)	0.30	0.13	0.20
Secure Internet servers (per million people)	0.2	1.3	0.8

# Notes

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- a. ITU estimate.
- b. Not specified in law.
- c. No foreign ownership.
- d. No limitation for EU foreign participation.

# Glossary

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**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)

**Domestic mobile-telephone traffic** refers to the total number of minutes of calls made by mobile subscribers within a country (including minutes to fixed-telephone and minutes to mobile-phone subscribers). (International Telecommunication Union)

**E-government Web measure index** measures the level of sophistication of a government's online presence based on four stages of e-government evolution: emerging presence, enhanced presence, transactional presence, and connected presence. A value of 0 indicates the lowest presence, a value of 1 the highest. Data listed for 2010 are for 2012. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network)

**Fixed-broadband sub-basket** refers to the price of the monthly subscription to an entry-level fixed broadband plan. For comparability reason, the fixed broadband sub-basket is based on a monthly usage of (a minimum of) 1 Gigabyte (GB). For plans that limit the monthly amount of data transferred by including caps *below* 1 Gigabyte, the cost for additional bytes is added to the sub-basket. The minimum speed of a broadband connection is 256 kbit/s. (International Telecommunication Union)

**Fixed (wired)-broadband subscriptions** refers to subscriptions to high-speed access to the public Internet (a TCP/IP connection), at downstream speeds equal to, or greater than, 256 kbit/s. This includes cable modem, DSL, fibre-to-the-home/building and other fixed (wired)-broadband subscriptions. This total is measured irrespective of the method of payment. It excludes subscriptions that have access to data communications (including the Internet) via mobile-cellular networks. It excludes technologies listed under the wireless-broadband category. (International Telecommunication Union)

**Fixed-telephone sub-basket** refers to the monthly price charged for subscribing to the Public Switched Telephone Network (PSTN), plus the cost of 30 local calls to the same (fixed) network (15 peak and 15 off-peak calls) of three minutes each. The service refers to the traditional fixed telephone line and does not refer to, for example, prices for managed VoIP. (International Telecommunication Union)

**Fixed-telephone subscriptions** refers to the sum of active number of analogue fixed-telephone lines, voice-over-IP (VoIP) subscriptions, fixed wireless local loop (WLL) subscriptions, ISDN voice-channel equivalents and fixed public payphones. (International Telecommunication Union)

**Foreign ownership** is the maximum foreign participation or ownership permitted in facility-based and spectrum-based operators as well as in Internet Service Providers (ISPs) (as a percentage). (International Telecommunication Union)

# Glossary

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

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

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

**Households with a computer** refers to the percentage of households with a computer at home. A computer includes: a desktop, portable or handheld computer (e.g. a personal digital assistant). It does not include equipment with some embedded computing abilities such as mobile phones or TV sets. (International Telecommunication Union)

**Households with Internet access at home** refers to the percentage of households with Internet access at home. Access is not assumed to be only via a computer—it may also be by mobile phone, games machine, digital TV etc. (International Telecommunication Union)

**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, audio and video, computer and related equipment; electronic components; and other information and communication technology goods. Software is excluded. Re-exports (exports of foreign goods in the same state as previously imported) are included. (United Nations Conference on Trade and Development)

**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-related service transactions). (International Monetary Fund)

**International Internet bandwidth** refers to the total used capacity of international Internet bandwidth, in megabits per second (Mbit/s). It is measured as the sum of used capacity of all Internet exchanges (locations where Internet traffic is exchanged) offering international bandwidth. If capacity is asymmetric (i.e. more incoming (downlink) than outgoing (uplink) capacity), then the incoming (downlink) capacity should be provided. (International Telecommunication Union)

**International voice traffic, total** is the sum of international incoming and outgoing telephone fixed and mobile telephone traffic (in minutes). (International Telecommunication Union)

**Individuals using the Internet** refers to the percentage of individuals who have used the Internet (from any location) in the last 12 months. Internet can be used via a computer, mobile phone, personal digital assistant, games machine, digital TV etc. (International Telecommunication Union)

**Level of competition, international gateway**, is the level of competition for international gateway(s). International gateway is any facility that provides an interface to send and receive electronic communications (i.e., voice, data and multimedia images/video) traffic between one country's domestic network facilities and those in another country. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

**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)

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

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

**Mobile-cellular telephone subscriptions** refers to the number of subscriptions to a public mobile-telephone service that provide access to the PSTN using cellular technology. The indicator includes (and is split into) the number of postpaid subscriptions, and the number of active prepaid accounts (i.e. that have been used during the last three months). The indicator applies to all mobile-cellular subscriptions that offer voice communications. It excludes subscriptions via data cards or USB modems, subscriptions to public mobile data services, private trunked mobile radio, telepoint, radio paging and telemetry services. (International Telecommunication Union)

# Glossary

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**Mobile-cellular sub-basket** refers to the price of a standard basket of mobile monthly usage for 30 outgoing calls per month (on-net, off-net, to a fixed line and for peak and off-peak times) in predetermined ratios, plus 100 SMS messages. The mobile-cellular sub-basket is based on prepaid tariffs although post-paid tariffs may be used for countries where prepaid subscriptions make up less than three per cent of all mobile-cellular subscriptions. The mobile-cellular prepaid sub-basket is largely based, but does not entirely follow, the 2009 methodology of the OECD low-user basket. (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 a mobile-cellular network** refers to the percentage of people within range of a mobile-cellular signal, irrespective of whether they are subscribers or users or not. This is calculated by dividing the number of people within range of a mobile-cellular signal by the total population and multiplying by 100. (International Telecommunication Union)

**Regulatory treatment of VoIP** indicates whether the country has any regulatory treatment on Voice over Internet Protocol (VoIP), a generic term to describe the techniques used to carry voice traffic over IP. The status are categorized as banned, closed, no framework, or allowed. 'Closed' means that wholesale VoIP is permitted, but retail VoIP is banned, as well as cases where only the incumbent is licensed to provide VoIP. (B = banned, C = closed, No = no framework, A = allowed) (International Telecommunication Union)

**Secure Internet servers** are the number of servers using encryption technology for Internet transactions. Data listed for 2010 are for December 2011. (Netcraft)

**Separate telecommunications/ICT regulator** indicates whether the country has a separate telecommunications/ ICT Regulatory Authority independent in terms of finance, structure, and decision making from the operators and the sector Ministry. (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)

**Telecommunications revenue** refers to revenue earned from retail fixed-telephone, mobile-cellular, Internet and data services offered by telecommunication operators (both network and virtual) offering services within the country. Revenue (turnover) consists of retail telecommunication service earnings (therefore excluding revenue from wholesaling activities) during the financial year under review. It is calculated as percentage of GDP. (International Telecommunication Union)

# Glossary

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**Telecommunications investment** refers to the investment during the financial year in telecommunication services (including fixed, mobile and Internet services) for acquiring or upgrading property and networks. Property includes tangible assets such as plant, intellectual and non-tangible assets such as computer software. The indicator is a measure of investment in telecommunication infrastructure in the country, and includes expenditure on initial installations and additions to existing installations where the usage is expected to be over an extended period of time. It excludes expenditure on research and development (R&D), annual fees for operating licences and the use of radio spectrum. (International Telecommunication Union)

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









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OF KOREA KOSOVO KUWAIT KYRGYZ REPUBLIC LAO PEOPLE'S DEMOCRATIC REPUBLIC LATVIA  
LEBANON LESOTHO LIBERIA LIBYA LIECHTENSTEIN LITHUANIA LUXEMBOURG MACAO SAR, CHINA  
FORMER YUGOSLAV REPUBLIC OF MACEDONIA MADAGASCAR MALAWI MALAYSIA MALDIVES  
MALI MALTA MARSHALL ISLANDS MAURITANIA MAURITIUS MAYOTTE MEXICO FEDERATED  
STATES OF MICRONESIA MOLDOVA MONACO MONGOLIA MONTENEGRO MOROCCO MOZAMBIQUE  
MYANMAR NAMIBIA NEPAL NETHERLANDS NEW CALEDONIA NEW ZEALAND NICARAGUA NIGER  
NIGERIA NORTHERN MARIANA ISLANDS NORWAY OMAN PAKISTAN PALAU PANAMA PAPUA  
NEW GUINEA PARAGUAY PERU PHILIPPINES POLAND PORTUGAL PUERTO RICO QATAR ROMANIA  
RUSSIAN FEDERATION RWANDA SAMOA SAN MARINO SÃO TOMÉ AND PRÍNCIPE SAUDI  
ARABIA SENEGAL SERBIA SEYCHELLES SIERRA LEONE SINGAPORE SINT MAARTEN SLOVAK  
REPUBLIC SLOVENIA SOLOMON ISLANDS SOMALIA SOUTH AFRICA SOUTH SUDAN SPAIN SRI  
LANKA ST. KITTS AND NEVIS ST. LUCIA ST. MARTIN ST. VINCENT AND GRENADINES SUDAN  
SURINAME SWAZILAND SWEDEN SWITZERLAND SYRIAN ARAB REPUBLIC TAJIKISTAN TANZANIA  
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