

79258

The Little Data Book on Information and Communication Technology

13

Economic and social context

Structure

Efficiency and capacity

Performance

Access

Usage

Quality

Affordability

Trade

Applications



THE WORLD BANK



2013 | THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY



THE WORLD BANK



International
Telecommunication
Union

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Preface

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 2013, there will be an estimated 6.8 billion mobile-cellular subscriptions globally. The number of individuals using the Internet has risen constantly and will reach an estimated 2.7 billion while the number of fixed (wired)-broadband subscriptions will reach almost 700 million at the end of 2013.

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 2013 illustrates the progress of this revolution for 214 economies around the world. It provides comparable statistics on the sector for 2005 and 2011 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 or the Web site of the Information and Communication Technologies Department at 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/en/ITU-D/Statistics/Pages/default.aspx and the ITU ICT Eye at www.itu.int/icteye.

Data notes

The data in this book are for 2005 and 2011 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.

Lettered notes on some country tables can be found in the notes on page 232.

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

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 People's Republic of Korea, Lao People's Democratic Republic, Malaysia, Marshall Islands, Federated States of Micronesia, Mongolia, Myanmar, Palau, Papua New Guinea, the 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. 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 Congo, Republic of Congo, Côte d'Ivoire, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, 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

	2005	2011
Economic and social context		
Population (millions)	6,503	6,974
Urban population (% of total)	49	52
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,110	9,514
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	2.0
Adult literacy rate (% ages 15 and older)	82	84
Gross primary, secondary, tertiary school enrollment (%)	67	70
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	2.6
Telecommunications investment (% of revenue)	18.9	..
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	19.5	17.3
Mobile-cellular telephone subscriptions (per 100 people)	33.9	85.5
Fixed (wired)-broadband subscriptions (per 100 people)	3.45	8.61
Households with a computer (%)	..	37.9
Households with Internet access at home (%)	..	32.8
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	7.1
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	15.8	32.7
Quality		
Population covered by a mobile-cellular network (%)	67	93
Fixed (wired)-broadband subscriptions (% of total Internet)	49.6	86.2
International Internet bandwidth (bit/s per Internet user)	4,859	33,503
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	11.3
Mobile-cellular sub-basket (\$ a month)	..	14.7
Fixed-broadband sub-basket (\$ a month)	..	24.3
Trade		
ICT goods exports (% of total goods exports)	13.8	10.1
ICT goods imports (% of total goods imports)	14.0	11.4
ICT service exports (% of total service exports)	28.7	31.1
Applications		
Online service index (0-1, 1=highest presence)	0.45	0.41
Secure Internet servers (per million people)	64.7	183.9

East Asia & Pacific

Economic and social context

Population (millions)	1,893	1,974
Urban population (% of total)	42	49
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,618	4,248
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.5	9.4
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	67	71

Sector structure

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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		

Sector efficiency and capacity

Telecommunications revenue (% of GDP)	3.2	2.2
Telecommunications investment (% of revenue)	..	..

Sector performance

Access

Fixed-telephone subscriptions (per 100 people)	21.0	17.8
Mobile-cellular telephone subscriptions (per 100 people)	28.3	80.9
Fixed (wired)-broadband subscriptions (per 100 people)	2.05	8.74
Households with a computer (%)	..	30.5
Households with Internet access at home (%)	..	20.4

Usage

Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	132	321
Individuals using the Internet (%)	8.3	33.5

Quality

Population covered by a mobile-cellular network (%)	93	99
Fixed (wired)-broadband subscriptions (% of total Internet)	45.9	88.8
International Internet bandwidth (bit/s per Internet user)	980	4,571

Affordability

Fixed-telephone sub-basket (\$ a month)	..	5.1
Mobile-cellular sub-basket (\$ a month)	..	8.1
Fixed-broadband sub-basket (\$ a month)	..	21.6

Trade

ICT goods exports (% of total goods exports)	29.9	22.7
ICT goods imports (% of total goods imports)	25.8	17.3
ICT service exports (% of total service exports)	24.1	32.2

Applications

Online service index (0-1, 1=highest presence)	0.29	0.22
Secure Internet servers (per million people)	0.8	4.2

Europe & Central Asia

	2005	2011
Economic and social context		
Population (millions)	399	408
Urban population (% of total)	63	65
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,711	7,734
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.1	3.2
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, tertiary school enrollment (%)	79	80
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.2	2.4
Telecommunications investment (% of revenue)	22.1	26.9
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	24.0	25.1
Mobile-cellular telephone subscriptions (per 100 people)	61.6	132.5
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	10.42
Households with a computer (%)	27.8	44.9
Households with Internet access at home (%)	19.9	37.0
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	113
Individuals using the Internet (%)	12.9	42.1
Quality		
Population covered by a mobile-cellular network (%)	91	..
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0	93.9
International Internet bandwidth (bit/s per Internet user)	1,409	35,793
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	6.6
Mobile-cellular sub-basket (\$ a month)	..	10.2
Fixed-broadband sub-basket (\$ a month)	..	12.8
Trade		
ICT goods exports (% of total goods exports)	1.1	1.1
ICT goods imports (% of total goods imports)	6.0	5.1
ICT service exports (% of total service exports)	12.9	20.1
Applications		
Online service index (0-1, 1=highest presence)	0.47	0.48
Secure Internet servers (per million people)	5.5	48.0

Latin America & Caribbean

Economic and social context

Population (millions)	550	589
Urban population (% of total)	77	79
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,427	8,574
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.6	3.9
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, tertiary school enrollment (%)	81	83

Sector structure

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 (not allowed, restricted, allowed)
Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity

Telecommunications revenue (% of GDP)	3.4	3.0
Telecommunications investment (% of revenue)	..	23.1

Sector performance

Access

Fixed-telephone subscriptions (per 100 people)	17.6	18.5
Mobile-cellular telephone subscriptions (per 100 people)	43.1	107.2
Fixed (wired)-broadband subscriptions (per 100 people)	1.50	7.66
Households with a computer (%)	16.4	37.9
Households with Internet access at home (%)	9.9	30.3

Usage

Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	43	94
Individuals using the Internet (%)	16.5	39.2

Quality

Population covered by a mobile-cellular network (%)	90	98
Fixed (wired)-broadband subscriptions (% of total Internet)	55.0	85.3
International Internet bandwidth (bit/s per Internet user)	1,258	20,010

Affordability

Fixed-telephone sub-basket (\$ a month)	..	7.0
Mobile-cellular sub-basket (\$ a month)	..	17.0
Fixed-broadband sub-basket (\$ a month)	..	19.5

Trade

ICT goods exports (% of total goods exports)	9.6	8.8
ICT goods imports (% of total goods imports)	13.7	12.9
ICT service exports (% of total service exports)	22.8	32.4

Applications

Online service index (0-1, 1=highest presence)	0.47	0.46
Secure Internet servers (per million people)	10.5	36.1

Middle East & North Africa

	2005	2011
Economic and social context		
Population (millions)	303	337
Urban population (% of total)	57	59
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,197	3,866
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	4.8
Adult literacy rate (% ages 15 and older)	68	76
Gross primary, secondary, tertiary school enrollment (%)	69	72
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.2	3.4
Telecommunications investment (% of revenue)	23.6	16.5
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	14.3	16.2
Mobile-cellular telephone subscriptions (per 100 people)	22.2	88.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.40	2.16
Households with a computer (%)	..	31.0
Households with Internet access at home (%)	..	23.5
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	8.5	..
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	8.6	26.9
Quality		
Population covered by a mobile-cellular network (%)	80	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..
International Internet bandwidth (bit/s per Internet user)	638	5,187
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	3.1
Mobile-cellular sub-basket (\$ a month)	..	12.5
Fixed-broadband sub-basket (\$ a month)	..	17.6
Trade		
ICT goods exports (% of total goods exports)	0.8	1.0
ICT goods imports (% of total goods imports)	5.2	4.0
ICT service exports (% of total service exports)	21.1	25.3
Applications		
Online service index (0-1, 1=highest presence)	0.35	0.34
Secure Internet servers (per million people)	0.6	3.2

South Asia

Economic and social context

Population (millions)	1,517	1,656
Urban population (% of total)	29	31
GNI per capita, <i>World Bank Atlas</i> method (\$)	692	1,313
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.4	7.3
Adult literacy rate (% ages 15 and older)	58	62
Gross primary, secondary, tertiary school enrollment (%)	57	61

Sector structure

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 (not allowed, restricted, allowed)
Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity

Telecommunications revenue (% of GDP)	2.4	2.4
Telecommunications investment (% of revenue)	..	25.4

Sector performance

Access

Fixed-telephone subscriptions (per 100 people)	3.9	2.7
Mobile-cellular telephone subscriptions (per 100 people)	7.7	68.8
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.93
Households with a computer (%)	..	5.9
Households with Internet access at home (%)	..	4.1

Usage

Int'l. voice traffic, total (minutes/subscriber/month)	5.3	6.0
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	2.5	9.4

Quality

Population covered by a mobile-cellular network (%)	37	85
Fixed (wired)-broadband subscriptions (% of total Internet)	14.9	55.1
International Internet bandwidth (bit/s per Internet user)	555	6,132

Affordability

Fixed-telephone sub-basket (\$ a month)	..	3.4
Mobile-cellular sub-basket (\$ a month)	..	3.2
Fixed-broadband sub-basket (\$ a month)	..	8.3

Trade

ICT goods exports (% of total goods exports)	0.9	1.7
ICT goods imports (% of total goods imports)	7.4	5.3
ICT service exports (% of total service exports)	61.6	58.9

Applications

Online service index (0-1, 1=highest presence)	0.31	0.36
Secure Internet servers (per million people)	0.5	2.5

Sub-Saharan Africa

	2005	2011
Economic and social context		
Population (millions)	754	875
Urban population (% of total)	34	36
GNI per capita, <i>World Bank Atlas</i> method (\$)	767	1,258
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.4	4.7
Adult literacy rate (% ages 15 and older)	57	63
Gross primary, secondary, tertiary school enrollment (%)	51	57
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	4.7	4.2
Telecommunications investment (% of revenue)	..	..
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	1.5	1.4
Mobile-cellular telephone subscriptions (per 100 people)	12.0	53.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.21
Households with a computer (%)	..	6.2
Households with Internet access at home (%)	..	..
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.1
Domestic mobile traffic (minutes/subscriber/month)	..	317
Individuals using the Internet (%)	2.3	12.7
Quality		
Population covered by a mobile-cellular network (%)	51	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	26.1
International Internet bandwidth (bit/s per Internet user)	216	3,299
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	11.4
Mobile-cellular sub-basket (\$ a month)	..	15.1
Fixed-broadband sub-basket (\$ a month)	..	48.5
Trade		
ICT goods exports (% of total goods exports)	0.7	0.4
ICT goods imports (% of total goods imports)	7.6	5.9
ICT service exports (% of total service exports)	12.5	13.1
Applications		
Online service index (0-1, 1=highest presence)	0.25	0.27
Secure Internet servers (per million people)	2.1	5.9

Income group tables

For operational and analytical purposes the World Bank's main criterion for classifying economies is gross national income (GNI) per capita. Every economy in *The Little Data Book on Information and Communication Technology* is classified as low income, middle income, or high income. Low- and middle-income economies are sometimes referred to as developing economies. The use of the term is convenient; it is not intended to imply that all economies in the group are experiencing similar development or that other economies have reached a preferred or final stage of development. Classification by income does not necessarily reflect development status. 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 \$1,025 or less in 2011.

Middle-income economies are those with a GNI per capita of more than \$1,025 but less than \$12,476. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$4,035.

High-income economies are those with a GNI per capita of \$12,476 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, the Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

	2005	2011
Economic and social context		
Population (millions)	721	817
Urban population (% of total)	26	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	342	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	5.8
Adult literacy rate (% ages 15 and older)	58	63
Gross primary, secondary, tertiary school enrollment (%)	51	58
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.5	..
Telecommunications investment (% of revenue)	..	..
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	0.9	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.12
Households with a computer (%)	..	..
Households with Internet access at home (%)	..	..
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	86
Individuals using the Internet (%)	1.1	6.0
Quality		
Population covered by a mobile-cellular network (%)	51	..
Fixed (wired)-broadband subscriptions (% of total Internet)	4.5	24.5
International Internet bandwidth (bit/s per Internet user)	177	2,941
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	42.8
Trade		
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)	14.9	18.6
Applications		
Online service index (0-1, 1=highest presence)	0.21	0.20
Secure Internet servers (per million people)	0.1	0.8

Middle income

Economic and social context

Population (millions)	4,695	5,022
Urban population (% of total)	46	50
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,924	4,148
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, tertiary school enrollment (%)	66	69

Sector structure

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 (not allowed, restricted, allowed)
Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity

Telecommunications revenue (% of GDP)	3.3	2.7
Telecommunications investment (% of revenue)	..	21.5

Sector performance

Access

Fixed-telephone subscriptions (per 100 people)	14.7	13.2
Mobile-cellular telephone subscriptions (per 100 people)	26.8	86.2
Fixed (wired)-broadband subscriptions (per 100 people)	1.17	5.62
Households with a computer (%)	..	26.0
Households with Internet access at home (%)	..	18.6

Usage

Int'l. voice traffic, total (minutes/subscriber/month)	3.9	4.0
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	8.0	27.1

Quality

Population covered by a mobile-cellular network (%)	86	92
Fixed (wired)-broadband subscriptions (% of total Internet)	37.7	78.0
International Internet bandwidth (bit/s per Internet user)	1,017	11,211

Affordability

Fixed-telephone sub-basket (\$ a month)	..	6.7
Mobile-cellular sub-basket (\$ a month)	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	19.5

Trade

ICT goods exports (% of total goods exports)	15.6	12.5
ICT goods imports (% of total goods imports)	16.1	12.3
ICT service exports (% of total service exports)	25.8	33.4

Applications

Online service index (0-1, 1=highest presence)	0.43	0.37
Secure Internet servers (per million people)	2.5	11.6

Lower middle income

	2005	2011
Economic and social context		
Population (millions)	2,308	2,533
Urban population (% of total)	36	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	898	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.3	6.2
Adult literacy rate (% ages 15 and older)	68	71
Gross primary, secondary, tertiary school enrollment (%)	60	63
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	2.5
Telecommunications investment (% of revenue)	..	29.0
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	5.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	13.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.11	1.25
Households with a computer (%)	..	10.7
Households with Internet access at home (%)	..	7.7
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	7.0	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	4.0	16.2
Quality		
Population covered by a mobile-cellular network (%)	50	86
Fixed (wired)-broadband subscriptions (% of total Internet)	10.8	58.8
International Internet bandwidth (bit/s per Internet user)	511	6,560
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	5.1
Mobile-cellular sub-basket (\$ a month)	..	11.3
Fixed-broadband sub-basket (\$ a month)	..	21.6
Trade		
ICT goods exports (% of total goods exports)	11.0	5.7
ICT goods imports (% of total goods imports)	11.9	6.7
ICT service exports (% of total service exports)	36.2	43.4
Applications		
Online service index (0-1, 1=highest presence)	0.37	0.32
Secure Internet servers (per million people)	0.7	3.5

Upper middle income

Economic and social context

Population (millions)	2,386	2,490
Urban population (% of total)	55	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,916	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	73	75

Sector structure

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 (not allowed, restricted, allowed)
Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity

Telecommunications revenue (% of GDP)	3.3	2.7
Telecommunications investment (% of revenue)	21.2	17.8

Sector performance

Access

Fixed-telephone subscriptions (per 100 people)	23.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	39.6	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.22	9.96
Households with a computer (%)	..	35.9
Households with Internet access at home (%)	..	25.5

Usage

Int'l. voice traffic, total (minutes/subscriber/month)	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	97	145
Individuals using the Internet (%)	11.8	38.2

Quality

Population covered by a mobile-cellular network (%)	94	98
Fixed (wired)-broadband subscriptions (% of total Internet)	43.0	84.6
International Internet bandwidth (bit/s per Internet user)	1,180	13,200

Affordability

Fixed-telephone sub-basket (\$ a month)	..	10.0
Mobile-cellular sub-basket (\$ a month)	..	16.0
Fixed-broadband sub-basket (\$ a month)	..	18.2

Trade

ICT goods exports (% of total goods exports)	16.6	13.9
ICT goods imports (% of total goods imports)	17.1	13.5
ICT service exports (% of total service exports)	21.0	28.3

Applications

Online service index (0-1, 1=highest presence)	0.48	0.46
Secure Internet servers (per million people)	4.1	19.9

Low and middle income

	2005	2011
Economic and social context		
Population (millions)	5,416	5,839
Urban population (% of total)	43	47
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,714	3,652
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	78	81
Gross primary, secondary, tertiary school enrollment (%)	64	67
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	2.7
Telecommunications investment (% of revenue)	..	..
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	12.9	11.5
Mobile-cellular telephone subscriptions (per 100 people)	23.9	80.0
Fixed (wired)-broadband subscriptions (per 100 people)	1.01	4.91
Households with a computer (%)	..	24.3
Households with Internet access at home (%)	..	17.9
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.3
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	7.0	24.3
Quality		
Population covered by a mobile-cellular network (%)	84	91
Fixed (wired)-broadband subscriptions (% of total Internet)	37.5	77.5
International Internet bandwidth (bit/s per Internet user)	1,001	10,946
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	7.1
Mobile-cellular sub-basket (\$ a month)	..	12.8
Fixed-broadband sub-basket (\$ a month)	..	21.9
Trade		
ICT goods exports (% of total goods exports)	15.4	12.4
ICT goods imports (% of total goods imports)	15.8	12.2
ICT service exports (% of total service exports)	25.6	33.1
Applications		
Online service index (0-1, 1=highest presence)	0.36	0.33
Secure Internet servers (per million people)	2.2	10.2

High income

Economic and social context

Population (millions)	1,087	1,135
Urban population (% of total)	79	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,027	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	0.7
Adult literacy rate (% ages 15 and older)	98	98
Gross primary, secondary, tertiary school enrollment (%)	92	94

Sector structure

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 (not allowed, restricted, allowed)
Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity

Telecommunications revenue (% of GDP)	3.0	2.6
Telecommunications investment (% of revenue)	14.9	15.8

Sector performance

Access

Fixed-telephone subscriptions (per 100 people)	51.5	47.3
Mobile-cellular telephone subscriptions (per 100 people)	84.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	15.37	27.30
Households with a computer (%)	65.3	77.3
Households with Internet access at home (%)	54.6	74.3

Usage

Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	185
Individuals using the Internet (%)	59.3	75.8

Quality

Population covered by a mobile-cellular network (%)	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	87.3	95.0
International Internet bandwidth (bit/s per Internet user)	7,384	70,726

Affordability

Fixed-telephone sub-basket (\$ a month)	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	26.6

Trade

ICT goods exports (% of total goods exports)	13.4	9.6
ICT goods imports (% of total goods imports)	13.6	11.2
ICT service exports (% of total service exports)	29.5	30.6

Applications

Online service index (0-1, 1=highest presence)	0.67	0.67
Secure Internet servers (per million people)	358.9	1,067.1

Euro area

	2005	2011
Economic and social context		
Population (millions)	324	333
Urban population (% of total)	74	76
GNI per capita, <i>World Bank Atlas</i> method (\$)	31,729	38,661
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.4	0.5
Adult literacy rate (% ages 15 and older)	..	99
Gross primary, secondary, tertiary school enrollment (%)	92	94
Sector structure		
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 (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.8	2.0
Telecommunications investment (% of revenue)	12.7	15.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	51.9	50.4
Mobile-cellular telephone subscriptions (per 100 people)	98.1	125.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.32	28.95
Households with a computer (%)	58.4	77.8
Households with Internet access at home (%)	46.5	73.9
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	84	108
Individuals using the Internet (%)	51.4	73.4
Quality		
Population covered by a mobile-cellular network (%)	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	58.6	97.6
International Internet bandwidth (bit/s per Internet user)	9,711	79,582
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	25.5
Mobile-cellular sub-basket (\$ a month)	..	31.5
Fixed-broadband sub-basket (\$ a month)	..	30.9
Trade		
ICT goods exports (% of total goods exports)	8.3	4.8
ICT goods imports (% of total goods imports)	10.3	7.2
ICT service exports (% of total service exports)	30.1	34.1
Applications		
Online service index (0-1, 1=highest presence)	0.71	0.67
Secure Internet servers (per million people)	144.9	646.3

Country tables

China

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

Cyprus

GNI and GDP data and data calculated using GNI and GDP refer to the area controlled by the government of the Republic of Cyprus.

France

Data for Mayotte, to which a reference appeared in previous editions, are included in data for France.

Georgia

GNI, GDP, and population data and data calculated using GNI, GDP, and population 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, GDP, and population data and data calculated using GNI, GDP, and population exclude Transnistria.

Morocco

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

South Sudan and Sudan

South Sudan declared its independence on July 9, 2011. 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 2013* or data data.worldbank.org.

Afghanistan

South Asia

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	30	35	817
Urban population (% of total)	22	24	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	210	470	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.2	10.3	5.8
Adult literacy rate (% ages 15 and older)	..	..	63
Gross primary, secondary, tertiary school enrollment (%)	45	54	58
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	..	..
Telecommunications investment (% of revenue)	37.8	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.1	0.0	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.3	54.3	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 ^a	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	28.8	..	86.3
Individuals using the Internet (%)	1.2	5.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	72	85	..
Fixed (wired)-broadband subscriptions (% of total Internet)	18.3	50.0	24.5
International Internet bandwidth (bit/s per Internet user)	12	1,236 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	0.4	..
ICT service exports (% of total service exports)	..	37.3	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.20	0.24	0.20
Secure Internet servers (per million people)	0.0	1.0	0.8

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	3	2,533
Urban population (% of total)	47	53	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,580	3,980	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.3	4.9	6.2
Adult literacy rate (% ages 15 and older)	99	96	71
Gross primary, secondary, tertiary school enrollment (%)	68	..	63
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.1	4.3	2.5
Telecommunications investment (% of revenue)	11.2	28.4	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.9	10.5	5.6
Mobile-cellular telephone subscriptions (per 100 people)	48.7	96.4	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 ^a	3.99	1.25
Households with a computer (%)	..	15.6 ^a	10.7
Households with Internet access at home (%)	..	13.7 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	41.0	21.1	6.5
Domestic mobile traffic (minutes/subscriber/month)	21.5	129.4	..
Individuals using the Internet (%)	6.0	49.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	91	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	25.0	91.8	58.8
International Internet bandwidth (bit/s per Internet user)	63 ^a	19,038	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.6	5.1
Mobile-cellular sub-basket (\$ a month)	..	25.8	11.3
Fixed-broadband sub-basket (\$ a month)	..	11.7	21.6
Trade			
ICT goods exports (% of total goods exports)	0.6	0.5	5.7
ICT goods imports (% of total goods imports)	3.8	3.6	6.7
ICT service exports (% of total service exports)	10.3	10.5	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.42	0.32
Secure Internet servers (per million people)	0.3	18.3	3.5

Algeria

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	33	36	2,490
Urban population (% of total)	67	73	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,720	4,470	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	2.6	6.3
Adult literacy rate (% ages 15 and older)	73	..	94
Gross primary, secondary, tertiary school enrollment (%)	73	78	75
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.0	2.7
Telecommunications investment (% of revenue)	36.0	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.8	8.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	41.5	99.0	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.41	2.78 ^a	9.96
Households with a computer (%)	7.1	20.0 ^a	35.9
Households with Internet access at home (%)	1.2	10.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	8.1 ^a	6.8	2.6
Domestic mobile traffic (minutes/subscriber/month)	12.4	191.1	144.6
Individuals using the Internet (%)	5.8	14.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	42	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	71.1	..	84.6
International Internet bandwidth (bit/s per Internet user)	81 ^a	8,933	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.3	10.0
Mobile-cellular sub-basket (\$ a month)	..	13.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	17.8	18.2
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	13.9
ICT goods imports (% of total goods imports)	7.9	3.4	13.5
ICT service exports (% of total service exports)	29.2	61.7	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.25	0.46
Secure Internet servers (per million people)	0.1	1.4	19.9

American Samoa

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.06	0.07	2,490
Urban population (% of total)	91	93	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.3
Adult literacy rate (% ages 15 and older)	94
Gross primary, secondary, tertiary school enrollment (%)	75
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7
Telecommunications investment (% of revenue)	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.5 ^a	15.2 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	3.6	..	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	9.96
Households with a computer (%)	35.9
Households with Internet access at home (%)	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	2.6
Domestic mobile traffic (minutes/subscriber/month)	144.6
Individuals using the Internet (%)	38.2
Quality			
Population covered by a mobile-cellular network (%)	98
Fixed (wired)-broadband subscriptions (% of total Internet)	84.6
International Internet bandwidth (bit/s per Internet user)	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	10.0
Mobile-cellular sub-basket (\$ a month)	16.0
Fixed-broadband sub-basket (\$ a month)	18.2
Trade			
ICT goods exports (% of total goods exports)	13.9
ICT goods imports (% of total goods imports)	13.5
ICT service exports (% of total service exports)	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.46
Secure Internet servers (per million people)	61.4	42.4	19.9

Andorra

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.08	0.09	1,135
Urban population (% of total)	90	87	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	32,650	41,750	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.1	3.7	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	62	69	94
Sector structure			
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 (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.6	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.5	44.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	82.9	75.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.28	29.90	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	112.6	84.8	..
Domestic mobile traffic (minutes/subscriber/month)	65.4	56.4	184.6
Individuals using the Internet (%)	37.6	81.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	91	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	99.1	95.0
International Internet bandwidth (bit/s per Internet user)	14,339	37,253	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	18.8	..	9.6
ICT goods imports (% of total goods imports)	14.0	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.31	0.67
Secure Internet servers (per million people)	436.5	868.4	1,067.1

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	16	20	2,490
Urban population (% of total)	54	59	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,240	3,830	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	9.6	10.5	6.3
Adult literacy rate (% ages 15 and older)	67	70	94
Gross primary, secondary, tertiary school enrollment (%)	58	65	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	..	2.7
Telecommunications investment (% of revenue)	25.3	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	1.5 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	9.8	48.4 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.13 ^a	9.96
Households with a computer (%)	5.0	7.1 ^a	35.9
Households with Internet access at home (%)	..	5.7 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	144.6
Individuals using the Internet (%)	1.1	14.8 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	40	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	6.3	84.6
International Internet bandwidth (bit/s per Internet user)	361	517	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	17.3	10.0
Mobile-cellular sub-basket (\$ a month)	..	20.7	16.0
Fixed-broadband sub-basket (\$ a month)	..	54.3	18.2
Trade			
ICT goods exports (% of total goods exports)	..	..	13.9
ICT goods imports (% of total goods imports)	..	..	13.5
ICT service exports (% of total service exports)	9.3	6.0	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.33	0.33	0.46
Secure Internet servers (per million people)	0.3	3.6	19.9

Antigua and Barbuda

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.08	0.09	2,490
Urban population (% of total)	31	30	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,810	11,940	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.9	-1.7	6.3
Adult literacy rate (% ages 15 and older)	99	99	94
Gross primary, secondary, tertiary school enrollment (%)	..	81	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	43.5	39.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	102.5	196.4	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.94 ^a	6.70	9.96
Households with a computer (%)	..	50.9 ^a	35.9
Households with Internet access at home (%)	..	40.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	19.0	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	126.7	144.6
Individuals using the Internet (%)	34.7	82.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8	41.0	84.6
International Internet bandwidth (bit/s per Internet user)	19,051	56,545	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.8	10.0
Mobile-cellular sub-basket (\$ a month)	..	25.3	16.0
Fixed-broadband sub-basket (\$ a month)	..	54.9	18.2
Trade			
ICT goods exports (% of total goods exports)	4.6	12.1	13.9
ICT goods imports (% of total goods imports)	3.9	3.8	13.5
ICT service exports (% of total service exports)	9.6	6.0	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.31	0.46
Secure Internet servers (per million people)	846.1	1,071.3	19.9

Argentina

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	39	41	2,490
Urban population (% of total)	91	92	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,480	..	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	..	6.3
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, tertiary school enrollment (%)	89	95	75
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.2	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.4	24.9 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	57.3	134.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.40	10.53 ^a	9.96
Households with a computer (%)	..	47.0	35.9
Households with Internet access at home (%)	..	34.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	24.4	144.6
Individuals using the Internet (%)	17.7	47.7 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	94	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	38.3	96.7	84.6
International Internet bandwidth (bit/s per Internet user)	1,787	25,712 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.6	10.0
Mobile-cellular sub-basket (\$ a month)	..	41.1	16.0
Fixed-broadband sub-basket (\$ a month)	..	24.3	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	11.6	8.7	13.5
ICT service exports (% of total service exports)	31.1	45.4	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.58	0.53	0.46
Secure Internet servers (per million people)	10.8	42.3	19.9

Armenia

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	3	2,533
Urban population (% of total)	64	64	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,470	3,360	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.3	2.7	6.2
Adult literacy rate (% ages 15 and older)	99	100	71
Gross primary, secondary, tertiary school enrollment (%)	71	72	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	4.1	2.5
Telecommunications investment (% of revenue)	23.6	26.9	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	19.4	18.6	5.6
Mobile-cellular telephone subscriptions (per 100 people)	10.4	103.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.06 a	4.98	1.25
Households with a computer (%)	5.5 a	20.0	10.7
Households with Internet access at home (%)	2.9 a	13.6	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	23.1	6.5
Domestic mobile traffic (minutes/subscriber/month)	58.0	149.4	..
Individuals using the Internet (%)	5.3	32.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	85	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.1	94.4	58.8
International Internet bandwidth (bit/s per Internet user)	453	22,196	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.2	5.1
Mobile-cellular sub-basket (\$ a month)	..	8.8	11.3
Fixed-broadband sub-basket (\$ a month)	..	21.0	21.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.7	5.7
ICT goods imports (% of total goods imports)	3.6	4.2	6.7
ICT service exports (% of total service exports)	14.3	13.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.33	0.32
Secure Internet servers (per million people)	1.3	26.4	3.5

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.10	0.11	1,135
Urban population (% of total)	47	47	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.8	..	0.7
Adult literacy rate (% ages 15 and older)	97	97	98
Gross primary, secondary, tertiary school enrollment (%)	83	78	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	1.2	15.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	37.9	32.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	102.4	122.6 ^a	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	12.15	17.88	27.30
Households with a computer (%)	45.0	62.5	77.3
Households with Internet access at home (%)	36.7	63.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	25.4 ^a	57.1 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	90	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	7,017	113,412	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	..	0.4	9.6
ICT goods imports (% of total goods imports)	..	4.9	11.2
ICT service exports (% of total service exports)	10.2	13.5	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	287.1	396.0	1,067.1

Australia

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	20	22	1,135
Urban population (% of total)	88	89	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	30,290	49,790	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.4	2.7	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	105	110	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.2	2.6
Telecommunications investment (% of revenue)	16.7	17.2	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.6	46.8	47.3
Mobile-cellular telephone subscriptions (per 100 people)	90.3	108.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	9.88 ^a	24.32	27.30
Households with a computer (%)	67.0	82.6	77.3
Households with Internet access at home (%)	56.0	78.9	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	63.0	79.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	98	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	33.7	92.1	95.0
International Internet bandwidth (bit/s per Internet user)	7,840 ^a	50,396 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	29.5	23.8
Mobile-cellular sub-basket (\$ a month)	..	27.7	23.9
Fixed-broadband sub-basket (\$ a month)	..	55.3	26.6
Trade			
ICT goods exports (% of total goods exports)	1.7	0.8	9.6
ICT goods imports (% of total goods imports)	11.8	9.8	11.2
ICT service exports (% of total service exports)	16.0	17.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.81	0.86	0.67
Secure Internet servers (per million people)	498.1	1,777.5	1,067.1

Austria

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	8	8	1,135
Urban population (% of total)	67	68	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	37,210	48,170	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.7	1.2	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	88	93	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.5	2.6
Telecommunications investment (% of revenue)	12.7	11.3	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.4	40.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	105.3	154.8	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	14.26	25.42	27.30
Households with a computer (%)	63.1	78.1	77.3
Households with Internet access at home (%)	46.7	75.4	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	16.1	..	..
Domestic mobile traffic (minutes/subscriber/month)	107.5	142.0	184.6
Individuals using the Internet (%)	58.0	79.8	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.3	86.9	95.0
International Internet bandwidth (bit/s per Internet user)	11,439 ^a	81,919 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	25.3	23.8
Mobile-cellular sub-basket (\$ a month)	..	13.5	23.9
Fixed-broadband sub-basket (\$ a month)	..	39.3	26.6
Trade			
ICT goods exports (% of total goods exports)	5.5	3.8	9.6
ICT goods imports (% of total goods imports)	7.7	4.9	11.2
ICT service exports (% of total service exports)	24.8	28.6	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.75	0.67
Secure Internet servers (per million people)	231.7	1,147.0	1,067.1

Azerbaijan

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	8	9	2,490
Urban population (% of total)	52	54	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,270	5,290	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.7	13.0	6.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	71	70	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	2.3	2.7
Telecommunications investment (% of revenue)	6.8	34.7	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.7	18.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	26.1	108.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	10.73	9.96
Households with a computer (%)	7.3	21.5	35.9
Households with Internet access at home (%)	6.3	35.3	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.6	6.4	2.6
Domestic mobile traffic (minutes/subscriber/month)	3.1	110.5	144.6
Individuals using the Internet (%)	8.0	50.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	99	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	3.0	75.7	84.6
International Internet bandwidth (bit/s per Internet user)	435	19,102	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.5	10.0
Mobile-cellular sub-basket (\$ a month)	..	8.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	12.5	18.2
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	13.9
ICT goods imports (% of total goods imports)	4.6	3.5	13.5
ICT service exports (% of total service exports)	38.8	14.1	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.46	0.37	0.46
Secure Internet servers (per million people)	0.5	6.3	19.9

Bahamas, The

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.32	0.35	1,135
Urban population (% of total)	83	84	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	24,410	21,970	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.3	-0.8	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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	C	
Mobile telephone service	M	M	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.7	38.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	71.3	86.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	4.19	4.46	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	25.0 ^a	65.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	95	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	1,127 ^a	4,431	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.3	23.8
Mobile-cellular sub-basket (\$ a month)	..	17.5	23.9
Fixed-broadband sub-basket (\$ a month)	..	30.0	26.6
Trade			
ICT goods exports (% of total goods exports)	0.3	1.7	9.6
ICT goods imports (% of total goods imports)	3.2	2.7	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.47	0.67
Secure Internet servers (per million people)	153.4	367.2	1,067.1

Bahrain

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.72	1	1,135
Urban population (% of total)	88	89	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	17,400	15,920	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.1	5.8	0.7
Adult literacy rate (% ages 15 and older)	87	92	98
Gross primary, secondary, tertiary school enrollment (%)	87	..	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.2	2.6
Telecommunications investment (% of revenue)	14.9	17.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.7	20.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	105.8	128.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	2.96	13.83	27.30
Households with a computer (%)	87.0	90.0	77.3
Households with Internet access at home (%)	45.0	76.8	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	102.3	..
Domestic mobile traffic (minutes/subscriber/month)	117.3	234.7	184.6
Individuals using the Internet (%)	21.3	77.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	42.6	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	2,649 ^a	14,719	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.7	23.8
Mobile-cellular sub-basket (\$ a month)	..	15.0	23.9
Fixed-broadband sub-basket (\$ a month)	..	26.6	26.6
Trade			
ICT goods exports (% of total goods exports)	0.1	1.8	9.6
ICT goods imports (% of total goods imports)	2.1	5.8	11.2
ICT service exports (% of total service exports)	25.1	28.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.86	0.67
Secure Internet servers (per million people)	48.3	137.6	1,067.1

Bangladesh

South Asia

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	141	150	817
Urban population (% of total)	26	28	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	480	780	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.4	6.2	5.8
Adult literacy rate (% ages 15 and older)	47	57	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	7.8	..
Telecommunications investment (% of revenue)	..	12.2	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.6	1.1
Mobile-cellular telephone subscriptions (per 100 people)	6.4	56.1	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.31	0.12
Households with a computer (%)	1.4	3.1 ^a	..
Households with Internet access at home (%)	0.2	2.6 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	21.6	..
Domestic mobile traffic (minutes/subscriber/month)	..	152.0	86.3
Individuals using the Internet (%)	0.2 ^a	5.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	80	99 ^a	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	40.7	24.5
International Internet bandwidth (bit/s per Internet user)	177 ^a	1,528	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.5	9.6
Mobile-cellular sub-basket (\$ a month)	..	1.6	11.9
Fixed-broadband sub-basket (\$ a month)	..	8.3	42.8
Trade			
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)	18.2	37.7	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.44	0.20
Secure Internet servers (per million people)	0.0	0.8	0.8

Barbados

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.27	0.27	1,135
Urban population (% of total)	41	44	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,000	12,660	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.2	-0.2	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	102	94
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9	..	2.6
Telecommunications investment (% of revenue)	14.0	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.9	51.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	76.2	127.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	11.81	22.14	27.30
Households with a computer (%)	39.6	61.4 a	77.3
Households with Internet access at home (%)	34.3	51.0 a	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	56.1 ^a	71.8 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.2	94.0	95.0
International Internet bandwidth (bit/s per Internet user)	3,297	38,177	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	20.7	23.8
Mobile-cellular sub-basket (\$ a month)	..	21.2	23.9
Fixed-broadband sub-basket (\$ a month)	..	39.6	26.6
Trade			
ICT goods exports (% of total goods exports)	4.9	0.7	9.6
ICT goods imports (% of total goods imports)	7.8	5.0	11.2
ICT service exports (% of total service exports)	15.3	25.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.37	0.67
Secure Internet servers (per million people)	207.0	397.0	1,067.1

Belarus

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	10	9	2,490
Urban population (% of total)	72	75	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,810	5,830	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.6	6.7	6.3
Adult literacy rate (% ages 15 and older)	..	100	94
Gross primary, secondary, tertiary school enrollment (%)	..	97	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.3	2.4	2.7
Telecommunications investment (% of revenue)	41.3	30.1	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	33.4	44.0	20.9
Mobile-cellular telephone subscriptions (per 100 people)	41.7	111.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	21.94	9.96
Households with a computer (%)	9.6	46.4	35.9
Households with Internet access at home (%)	9.2	40.3	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.6	8.1	2.6
Domestic mobile traffic (minutes/subscriber/month)	116.2	195.3	144.6
Individuals using the Internet (%)	19.7	39.6	38.2
Quality			
Population covered by a mobile-cellular network (%)	90	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	90.7	84.6
International Internet bandwidth (bit/s per Internet user)	1,336	52,833	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.3	10.0
Mobile-cellular sub-basket (\$ a month)	..	8.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	18.1	18.2
Trade			
ICT goods exports (% of total goods exports)	1.0	0.4	13.9
ICT goods imports (% of total goods imports)	2.4	1.7	13.5
ICT service exports (% of total service exports)	15.0	16.9	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.41	0.46
Secure Internet servers (per million people)	0.5	18.4	19.9

Belgium

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	10	11	1,135
Urban population (% of total)	97	97	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	36,610	45,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.6	1.0	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	97	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	1.7	2.6
Telecommunications investment (% of revenue)	11.6	21.5	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	46.0	43.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	92.2	116.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	19.31	32.95	27.30
Households with a computer (%)	57.0	78.9	77.3
Households with Internet access at home (%)	50.2	76.5	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	70.2	89.2	184.6
Individuals using the Internet (%)	55.8 ^a	78.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	88.1	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	20,219 ^a	131,137 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	31.5	23.8
Mobile-cellular sub-basket (\$ a month)	..	37.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	25.2	26.6
Trade			
ICT goods exports (% of total goods exports)	4.0	2.2	9.6
ICT goods imports (% of total goods imports)	4.9	3.4	11.2
ICT service exports (% of total service exports)	34.5	42.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.68	0.65	0.67
Secure Internet servers (per million people)	117.9	697.3	1,067.1

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.29	0.36	2,533
Urban population (% of total)	46	45	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,580	3,710	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.7	2.2	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	74	77	63
Sector structure			
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	M	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	5.0	2.5
Telecommunications investment (% of revenue)	23.8	16.0	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.0	9.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	34.2 ^a	70.0	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.79	3.05	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	29.1	6.5
Domestic mobile traffic (minutes/subscriber/month)	15.3	0.6	..
Individuals using the Internet (%)	9.2	14.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	73.5	95.0	58.8
International Internet bandwidth (bit/s per Internet user)	5,217	18,337	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.6	5.1
Mobile-cellular sub-basket (\$ a month)	..	31.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	49.7	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.5	5.7
ICT goods imports (% of total goods imports)	5.9	2.4	6.7
ICT service exports (% of total service exports)	12.3	9.8	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.40	0.32
Secure Internet servers (per million people)	257.0	286.8	3.5

Benin

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	8	9	817
Urban population (% of total)	41	45	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	570	780	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	3.7	5.8
Adult literacy rate (% ages 15 and older)	35	42	63
Gross primary, secondary, tertiary school enrollment (%)	58	..	58
Sector structure			
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	C	C	
Internet service	..	P	
Foreign ownership (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	6.3	..
Telecommunications investment (% of revenue)	35.0	15.7	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.0	1.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.8	85.3	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04	0.12
Households with a computer (%)	1.9	2.5 ^a	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	100.0	6.2	..
Domestic mobile traffic (minutes/subscriber/month)	..	33.5	86.3
Individuals using the Internet (%)	1.3	3.5	6.0
Quality			
Population covered by a mobile-cellular network (%)	43	99	..
Fixed (wired)-broadband subscriptions (% of total Internet)	2.9	..	24.5
International Internet bandwidth (bit/s per Internet user)	484	3,407	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.0	9.6
Mobile-cellular sub-basket (\$ a month)	..	15.5	11.9
Fixed-broadband sub-basket (\$ a month)	..	50.1	42.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	..
ICT goods imports (% of total goods imports)	2.9	1.3	..
ICT service exports (% of total service exports)	20.1	23.0	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.20	0.20
Secure Internet servers (per million people)	0.1	0.6	0.8

Bermuda

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.06	0.06	1,135
Urban population (% of total)	100	100	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.3	0.3	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	71	68	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	..	2.6
Telecommunications investment (% of revenue)	11.3	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	81.8	89.0 ^a	47.3
Mobile-cellular telephone subscriptions (per 100 people)	82.2	135.8 ^a	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	28.83	61.75 ^a	27.30
Households with a computer (%)	67.9	90.0	77.3
Households with Internet access at home (%)	62.8 ^a	84.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	194.8	..	184.6
Individuals using the Internet (%)	65.4	88.3 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	98	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.8	..	95.0
International Internet bandwidth (bit/s per Internet user)	10,555	..	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	3.4	11.2
ICT service exports (% of total service exports)	37.2	40.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	1,713.8	5,030.1	1,067.1

Bhutan

South Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.66	0.74	2,533
Urban population (% of total)	31	36	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,210	2,130	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.9	9.0	6.2
Adult literacy rate (% ages 15 and older)	53	..	71
Gross primary, secondary, tertiary school enrollment (%)	54	68	63
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.6	2.5
Telecommunications investment (% of revenue)	81.1	42.0	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.0	3.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	5.5	65.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	1.79	1.25
Households with a computer (%)	2.6	4.7	10.7
Households with Internet access at home (%)	1.2	2.8	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	56.1	..	..
Individuals using the Internet (%)	3.8	21.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	5	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	94.2	58.8
International Internet bandwidth (bit/s per Internet user)	237	2,999	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.4	5.1
Mobile-cellular sub-basket (\$ a month)	..	3.6	11.3
Fixed-broadband sub-basket (\$ a month)	..	10.9	21.6
Trade			
ICT goods exports (% of total goods exports)	0.9	11.3	5.7
ICT goods imports (% of total goods imports)	5.3	2.5	6.7
ICT service exports (% of total service exports)	5.8	3.9	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.35	0.32
Secure Internet servers (per million people)	..	8.0	3.5

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	9	10	2,533
Urban population (% of total)	64	67	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,030	2,020	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	4.7	6.2
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)	81	..	63
Sector structure			
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 (not allowed, restricted, allowed)	R	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.6	7.0	2.5
Telecommunications investment (% of revenue)	3.8	18.3	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.1	8.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	26.5	82.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.14	0.65	1.25
Households with a computer (%)	12.1	27.0 ^a	10.7
Households with Internet access at home (%)	3.5	9.4 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	27.0	..
Individuals using the Internet (%)	5.2	30.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	46	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	56.4	58.8
International Internet bandwidth (bit/s per Internet user)	832 ^a	4,743	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.7	5.1
Mobile-cellular sub-basket (\$ a month)	..	11.3	11.3
Fixed-broadband sub-basket (\$ a month)	..	25.5	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	3.9	3.3	6.7
ICT service exports (% of total service exports)	6.6	9.8	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.41	0.32
Secure Internet servers (per million people)	2.4	10.0	3.5

Bosnia and Herzegovina

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	2,490
Urban population (% of total)	45	48	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,020	4,780	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.0	2.7	6.3
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, tertiary school enrollment (%)	73	72	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.1	3.7	2.7
Telecommunications investment (% of revenue)	36.5	24.0	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.6	25.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	42.2	84.5	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.36	9.71	9.96
Households with a computer (%)	25.2	33.7 ^a	35.9
Households with Internet access at home (%)	6.2 ^a	23.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	18.9	2.6
Domestic mobile traffic (minutes/subscriber/month)	36.3	50.8	144.6
Individuals using the Internet (%)	21.3	60.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	97	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6	70.7	84.6
International Internet bandwidth (bit/s per Internet user)	192	17,767 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.8	10.0
Mobile-cellular sub-basket (\$ a month)	..	15.9	16.0
Fixed-broadband sub-basket (\$ a month)	..	7.9	18.2
Trade			
ICT goods exports (% of total goods exports)	0.3	0.1	13.9
ICT goods imports (% of total goods imports)	4.2	2.6	13.5
ICT service exports (% of total service exports)	18.1	6.7	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.37	0.46
Secure Internet servers (per million people)	3.4	27.5	19.9

Botswana

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,490
Urban population (% of total)	57	62	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,070	7,470	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.8	2.8	6.3
Adult literacy rate (% ages 15 and older)	81	84	94
Gross primary, secondary, tertiary school enrollment (%)	72	..	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	2.5	2.7
Telecommunications investment (% of revenue)	48.9	122.2	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.3	7.4	20.9
Mobile-cellular telephone subscriptions (per 100 people)	30.1	142.8	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.77	9.96
Households with a computer (%)	4.5	6.5 ^a	35.9
Households with Internet access at home (%)	1.2	2.0	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	45.5	22.8	144.6
Individuals using the Internet (%)	3.3 ^a	7.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	99	96	98
Fixed (wired)-broadband subscriptions (% of total Internet)	..	100.0	84.6
International Internet bandwidth (bit/s per Internet user)	490	8,442 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	17.2	10.0
Mobile-cellular sub-basket (\$ a month)	..	13.2	16.0
Fixed-broadband sub-basket (\$ a month)	..	29.7	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	4.7	2.5	13.5
ICT service exports (% of total service exports)	11.2	26.1	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.36	0.36	0.46
Secure Internet servers (per million people)	1.6	10.7	19.9

Brazil

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	186	197	2,490
Urban population (% of total)	83	85	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,960	10,720	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	4.2	6.3
Adult literacy rate (% ages 15 and older)	90	90	94
Gross primary, secondary, tertiary school enrollment (%)	87	..	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	3.0	2.7
Telecommunications investment (% of revenue)	17.4	13.4	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	21.4	21.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	46.4	124.3	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.74	8.59	9.96
Households with a computer (%)	18.5	45.4	35.9
Households with Internet access at home (%)	13.6	37.8	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	0.2	2.6
Domestic mobile traffic (minutes/subscriber/month)	30.9	54.9	144.6
Individuals using the Internet (%)	21.0	45.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	88	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	74.1	73.7	84.6
International Internet bandwidth (bit/s per Internet user)	716	28,024	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.0	10.0
Mobile-cellular sub-basket (\$ a month)	..	57.2	16.0
Fixed-broadband sub-basket (\$ a month)	..	16.9	18.2
Trade			
ICT goods exports (% of total goods exports)	3.1	0.7	13.9
ICT goods imports (% of total goods imports)	12.1	8.8	13.5
ICT service exports (% of total service exports)	43.0	52.9	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.67	0.46
Secure Internet servers (per million people)	14.2	55.5	19.9

Brunei Darussalam

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.36	0.41	1,135
Urban population (% of total)	74	76	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,210	31,800	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	0.4	0.7
Adult literacy rate (% ages 15 and older)	93	95	98
Gross primary, secondary, tertiary school enrollment (%)	84	84	94
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	23.1	19.7	47.3
Mobile-cellular telephone subscriptions (per 100 people)	64.1	109.2	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	2.24	5.71	27.30
Households with a computer (%)	..	79.6 ^a	77.3
Households with Internet access at home (%)	..	65.0 ^a	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	36.5	56.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	45.2	84.5	95.0
International Internet bandwidth (bit/s per Internet user)	4,191	21,995 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.7	23.8
Mobile-cellular sub-basket (\$ a month)	..	18.3	23.9
Fixed-broadband sub-basket (\$ a month)	..	48.3	26.6
Trade			
ICT goods exports (% of total goods exports)	0.1	..	9.6
ICT goods imports (% of total goods imports)	6.1	..	11.2
ICT service exports (% of total service exports)	17.0	21.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.59	0.67
Secure Internet servers (per million people)	13.8	116.3	1,067.1

Bulgaria

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	8	7	2,490
Urban population (% of total)	70	73	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,640	6,640	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	2.1	6.3
Adult literacy rate (% ages 15 and older)	98	98	94
Gross primary, secondary, tertiary school enrollment (%)	76	80	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	3.1	2.7
Telecommunications investment (% of revenue)	34.5	30.5	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	32.2	31.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	80.7	140.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.14	16.45	9.96
Households with a computer (%)	17.9 ^a	46.8	35.9
Households with Internet access at home (%)	13.3 ^a	45.0	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.9	7.5	2.6
Domestic mobile traffic (minutes/subscriber/month)	37.8	114.7	144.6
Individuals using the Internet (%)	20.0	51.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	80.0	99.7	84.6
International Internet bandwidth (bit/s per Internet user)	881	70,572	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.3	10.0
Mobile-cellular sub-basket (\$ a month)	..	32.9	16.0
Fixed-broadband sub-basket (\$ a month)	..	13.4	18.2
Trade			
ICT goods exports (% of total goods exports)	1.5	2.1	13.9
ICT goods imports (% of total goods imports)	5.5	5.6	13.5
ICT service exports (% of total service exports)	12.5	20.2	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.49	0.46
Secure Internet servers (per million people)	8.7	167.3	19.9

Burkina Faso

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	14	17	817
Urban population (% of total)	22	27	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	580	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.4	5.1	5.8
Adult literacy rate (% ages 15 and older)	24	..	63
Gross primary, secondary, tertiary school enrollment (%)	28	41	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	<i>M</i>	<i>P</i>	
Mobile telephone service	<i>C</i>	<i>P</i>	
Internet service	<i>C</i>	<i>P</i>	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	..	..
Telecommunications investment (% of revenue)	55.8	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	0.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.5	45.3	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.08	0.12
Households with a computer (%)	1.4	2.1 ^a	..
Households with Internet access at home (%)	0.0	2.0 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	27.7	28.4	86.3
Individuals using the Internet (%)	0.5	3.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	26	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	4.6	45.1	24.5
International Internet bandwidth (bit/s per Internet user)	1,079	2,183	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.9	9.6
Mobile-cellular sub-basket (\$ a month)	..	11.6	11.9
Fixed-broadband sub-basket (\$ a month)	..	52.0	42.8
Trade			
ICT goods exports (% of total goods exports)	0.2	0.0	..
ICT goods imports (% of total goods imports)	4.5	3.2	..
ICT service exports (% of total service exports)	8.9	21.1	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.15	0.29	0.20
Secure Internet servers (per million people)	0.1	0.5	0.8

Burundi

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	9	817
Urban population (% of total)	9	11	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	140	250	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	4.4	5.8
Adult literacy rate (% ages 15 and older)	59	67	63
Gross primary, secondary, tertiary school enrollment (%)	39	64	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	No	
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	2.2	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.4 ^a	0.3	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	22.3 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	..	2.6	..
Households with Internet access at home (%)	..	2.7	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	4.0	86.3
Individuals using the Internet (%)	0.5	1.1 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	82	83	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.9	24.5
International Internet bandwidth (bit/s per Internet user)	102 ^a	1,891 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
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)	..	3.5	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.18	0.15	0.20
Secure Internet servers (per million people)	0.1	0.3	0.8

Cambodia

East Asia & Pacific

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	13	14	817
Urban population (% of total)	19	20	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	820	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	9.1	6.2	5.8
Adult literacy rate (% ages 15 and older)	74	74	63
Gross primary, secondary, tertiary school enrollment (%)	60	64	58
Sector structure			
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	P	C	
Internet service	P	C	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	5.5	..
Telecommunications investment (% of revenue)	..	69.8	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	3.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	8.0	96.2	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 ^a	0.15	0.12
Households with a computer (%)	1.4	4.3 ^a	..
Households with Internet access at home (%)	..	0.2	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	11.1	..	86.3
Individuals using the Internet (%)	0.3	3.1 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	75	99	..
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	46.8	24.5
International Internet bandwidth (bit/s per Internet user)	425 ^a	13,530 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.9	9.6
Mobile-cellular sub-basket (\$ a month)	..	7.6	11.9
Fixed-broadband sub-basket (\$ a month)	..	30.0	42.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	..
ICT goods imports (% of total goods imports)	2.3	2.1	..
ICT service exports (% of total service exports)	6.5	7.8	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.30	0.19	0.20
Secure Internet servers (per million people)	0.1	3.0	0.8

Cameroon

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	18	20	2,533
Urban population (% of total)	49	52	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	930	1,210	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.8	2.9	6.2
Adult literacy rate (% ages 15 and older)	71	..	71
Gross primary, secondary, tertiary school enrollment (%)	53	67	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.8	2.5
Telecommunications investment (% of revenue)	28.3	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	3.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	12.8	52.4	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01 ^a	1.25
Households with a computer (%)	4.1	5.4 ^a	10.7
Households with Internet access at home (%)	1.2	1.3	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.1	6.5
Domestic mobile traffic (minutes/subscriber/month)	1.6	7.0	..
Individuals using the Internet (%)	1.4	5.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	54	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	..	58.8
International Internet bandwidth (bit/s per Internet user)	630	322	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	17.9	5.1
Mobile-cellular sub-basket (\$ a month)	..	18.8	11.3
Fixed-broadband sub-basket (\$ a month)	..	58.1	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	3.3	2.8	6.7
ICT service exports (% of total service exports)	19.1	30.2	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.30	0.32
Secure Internet servers (per million people)	0.1	1.3	3.5

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	32	34	1,135
Urban population (% of total)	80	81	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	33,110	45,550	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.5	1.1	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	2.5	2.6
Telecommunications investment (% of revenue)	16.2	22.0	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	56.2	53.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	52.7	79.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	21.70	31.83	27.30
Households with a computer (%)	78.4	83.9 ^a	77.3
Households with Internet access at home (%)	64.3	78.9	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	346.4	184.6
Individuals using the Internet (%)	71.7	83.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	97	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	78.9	97.2	95.0
International Internet bandwidth (bit/s per Internet user)	9,403 ^a	70,150 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	27.3	23.8
Mobile-cellular sub-basket (\$ a month)	..	45.0	23.9
Fixed-broadband sub-basket (\$ a month)	..	29.5	26.6
Trade			
ICT goods exports (% of total goods exports)	3.9	2.5	9.6
ICT goods imports (% of total goods imports)	9.1	8.0	11.2
ICT service exports (% of total service exports)	39.3	42.3	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.82	0.89	0.67
Secure Internet servers (per million people)	569.1	1,277.2	1,067.1

Cape Verde

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.47	0.50	2,533
Urban population (% of total)	58	63	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,080	3,540	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.2	6.2	6.2
Adult literacy rate (% ages 15 and older)	80	84	71
Gross primary, secondary, tertiary school enrollment (%)	72	76	63
Sector structure			
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 (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.5	8.3	2.5
Telecommunications investment (% of revenue)	19.1	32.4	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	15.1	14.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	17.3	79.2	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.20	4.34	1.25
Households with a computer (%)	..	11.3 ^a	10.7
Households with Internet access at home (%)	..	2.5	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	33.8	17.9	6.5
Domestic mobile traffic (minutes/subscriber/month)	46.6	74.1	..
Individuals using the Internet (%)	6.1	32.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	85	96	86
Fixed (wired)-broadband subscriptions (% of total Internet)	14.4	100.0	58.8
International Internet bandwidth (bit/s per Internet user)	487	5,806	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.3	5.1
Mobile-cellular sub-basket (\$ a month)	..	31.7	11.3
Fixed-broadband sub-basket (\$ a month)	..	11.8	21.6
Trade			
ICT goods exports (% of total goods exports)	0.5	..	5.7
ICT goods imports (% of total goods imports)	3.9	3.3	6.7
ICT service exports (% of total service exports)	7.8	5.4	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.44	0.32
Secure Internet servers (per million people)	2.1	23.7	3.5

Cayman Islands

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.05	0.06	1,135
Urban population (% of total)	100	100	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	0.7
Adult literacy rate (% ages 15 and older)	99	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	72.7 ^a	65.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	154.9	167.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	..	33.17	27.30
Households with a computer (%)	54.8	71.3	77.3
Households with Internet access at home (%)	..	64.5	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	38.0	69.5 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	95.0
International Internet bandwidth (bit/s per Internet user)	..	..	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	784.4	2,603.8	1,067.1

Central African Republic

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	817
Urban population (% of total)	38	39	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	340	480	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-1.4	2.7	5.8
Adult literacy rate (% ages 15 and older)	51	56	63
Gross primary, secondary, tertiary school enrollment (%)	..	43	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	2.9	..
Telecommunications investment (% of revenue)	..	46.3	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.5	40.6	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	15.3	86.3
Individuals using the Internet (%)	0.3	2.2 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	19	56	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.0	24.5
International Internet bandwidth (bit/s per Internet user)	143	203 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.1	9.6
Mobile-cellular sub-basket (\$ a month)	..	12.9	11.9
Fixed-broadband sub-basket (\$ a month)	..	1,329.5	42.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	..
ICT goods imports (% of total goods imports)	2.4	5.9	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service 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	2011	2011
Economic and social context			
Population (millions)	10	12	817
Urban population (% of total)	22	22	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	430	720	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	17.2	2.1	5.8
Adult literacy rate (% ages 15 and older)	28	34	63
Gross primary, secondary, tertiary school enrollment (%)	38	51	58
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	2.3	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.1	0.3	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	31.8	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	..	0.4	..
Households with Internet access at home (%)	..	0.1	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	0.4	1.9 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	24	75	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	6.4	24.5
International Internet bandwidth (bit/s per Internet user)	90	228	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.7	9.6
Mobile-cellular sub-basket (\$ a month)	..	15.4	11.9
Fixed-broadband sub-basket (\$ a month)	..	11.8	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service 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	2011	2011
Economic and social context			
Population (millions)	0.15	0.15	1,135
Urban population (% of total)	31	31	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	57,380	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-1.2	..	0.7
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, tertiary school enrollment (%)	94
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6
Telecommunications investment (% of revenue)	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	47.3
Mobile-cellular telephone subscriptions (per 100 people)	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	27.30
Households with a computer (%)	77.3
Households with Internet access at home (%)	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)
Domestic mobile traffic (minutes/subscriber/month)	184.6
Individuals using the Internet (%)	75.8
Quality			
Population covered by a mobile-cellular network (%)	100
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0
International Internet bandwidth (bit/s per Internet user)	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	23.8
Mobile-cellular sub-basket (\$ a month)	23.9
Fixed-broadband sub-basket (\$ a month)	26.6
Trade			
ICT goods exports (% of total goods exports)	9.6
ICT goods imports (% of total goods imports)	11.2
ICT service exports (% of total service exports)	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67
Secure Internet servers (per million people)	1,067.1

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	16	17	2,490
Urban population (% of total)	88	89	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,260	12,280	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.2	3.6	6.3
Adult literacy rate (% ages 15 and older)	96	99	94
Gross primary, secondary, tertiary school enrollment (%)	83	86	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	21.1	19.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	64.8	129.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	4.35	11.60	9.96
Households with a computer (%)	30.1 ^a	46.8 ^a	35.9
Households with Internet access at home (%)	16.7 ^a	35.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.7	1.9	2.6
Domestic mobile traffic (minutes/subscriber/month)	55.9	91.5	144.6
Individuals using the Internet (%)	31.2 ^a	53.9 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	78.2	98.9	84.6
International Internet bandwidth (bit/s per Internet user)	2,500 ^a	20,414 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.6	10.0
Mobile-cellular sub-basket (\$ a month)	..	23.7	16.0
Fixed-broadband sub-basket (\$ a month)	..	19.7	18.2
Trade			
ICT goods exports (% of total goods exports)	0.5	0.4	13.9
ICT goods imports (% of total goods imports)	8.2	7.1	13.5
ICT service exports (% of total service exports)	18.4	19.8	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.58	0.75	0.46
Secure Internet servers (per million people)	21.0	82.3	19.9

China

	East Asia & Pacific		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	1,304	1,344	2,490
Urban population (% of total)	43	51	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,740	4,940	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	9.8	10.8	6.3
Adult literacy rate (% ages 15 and older)	91	94	94
Gross primary, secondary, tertiary school enrollment (%)	67	70	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.2	2.7
Telecommunications investment (% of revenue)	35.9	26.5	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.8	21.2	20.9
Mobile-cellular telephone subscriptions (per 100 people)	30.1	73.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.86	11.61	9.96
Households with a computer (%)	..	35.4 ^a	35.9
Households with Internet access at home (%)	..	23.7 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	1.3	1.3	2.6
Domestic mobile traffic (minutes/subscriber/month)	132.5	190.4	144.6
Individuals using the Internet (%)	8.5	38.3	38.2
Quality			
Population covered by a mobile-cellular network (%)	97	99	98
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	93.2	84.6
International Internet bandwidth (bit/s per Internet user)	1,221	2,692	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.9	10.0
Mobile-cellular sub-basket (\$ a month)	..	5.3	16.0
Fixed-broadband sub-basket (\$ a month)	..	17.8	18.2
Trade			
ICT goods exports (% of total goods exports)	30.7	26.8	13.9
ICT goods imports (% of total goods imports)	25.3	18.0	13.5
ICT service exports (% of total service exports)	24.9	32.8	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.53	0.46
Secure Internet servers (per million people)	0.3	3.1	19.9

Colombia

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	43	47	2,490
Urban population (% of total)	74	75	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,940	6,070	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.7	4.4	6.3
Adult literacy rate (% ages 15 and older)	93	93	94
Gross primary, secondary, tertiary school enrollment (%)	79	85	75
Sector structure			
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 (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	4.2	2.7
Telecommunications investment (% of revenue)	..	17.8	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	17.8	15.2	20.9
Mobile-cellular telephone subscriptions (per 100 people)	50.8	98.5	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.74	6.94	9.96
Households with a computer (%)	14.6	29.9	35.9
Households with Internet access at home (%)	6.2	23.4	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	48.4	350.4	144.6
Individuals using the Internet (%)	11.0	40.4	38.2
Quality			
Population covered by a mobile-cellular network (%)	82	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	46.3	98.8	84.6
International Internet bandwidth (bit/s per Internet user)	4,701	16,796	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.1	10.0
Mobile-cellular sub-basket (\$ a month)	..	22.2	16.0
Fixed-broadband sub-basket (\$ a month)	..	23.7	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	13.0	8.5	13.5
ICT service exports (% of total service exports)	14.6	13.9	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.84	0.46
Secure Internet servers (per million people)	4.4	28.0	19.9

Comoros

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.64	0.75	817
Urban population (% of total)	28	28	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	610	770	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.6	1.4	5.8
Adult literacy rate (% ages 15 and older)	68	75	63
Gross primary, secondary, tertiary school enrollment (%)	60	..	58
Sector structure			
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	
Internet service	M	M	
Foreign ownership (not allowed, restricted, allowed)	No	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	5.2	..
Telecommunications investment (% of revenue)	25.6	13.8	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.6	3.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.4	28.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02 ^a	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	2.4 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	2.0 ^a	5.5 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	40	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	4.1	24.5
International Internet bandwidth (bit/s per Internet user)	156	4,003	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.0	9.6
Mobile-cellular sub-basket (\$ a month)	..	13.5	11.9
Fixed-broadband sub-basket (\$ a month)	..	80.2	42.8
Trade			
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)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.08	0.20
Secure Internet servers (per million people)	4.7	1.3	0.8

Congo, Dem. Rep.

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	57	68	817
Urban population (% of total)	31	34	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	120	190	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	5.6	5.8
Adult literacy rate (% ages 15 and older)	67	67	63
Gross primary, secondary, tertiary school enrollment (%)	49	54	58
Sector structure			
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 (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	5.2	..
Telecommunications investment (% of revenue)	89.2	49.4	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.0	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.8	23.1	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.12
Households with a computer (%)	..	0.7 ^a	..
Households with Internet access at home (%)	..	0.6 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	9.5	3.3	..
Domestic mobile traffic (minutes/subscriber/month)	51.2	24.8	86.3
Individuals using the Internet (%)	0.2 ^a	1.2 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	50	50	..
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3	50.7	24.5
International Internet bandwidth (bit/s per Internet user)	37	984	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.18	0.20
Secure Internet servers (per million people)	0.1	0.1	0.8

Congo, Rep.

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	2,533
Urban population (% of total)	61	64	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	980	2,250	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.7	5.1	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	54	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	3.2	2.5
Telecommunications investment (% of revenue)	..	23.4	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.5	0.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	15.8	93.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	1.25
Households with a computer (%)	1.4	3.9	10.7
Households with Internet access at home (%)	..	1.0	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	9.5	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	40.9	..
Individuals using the Internet (%)	1.5	5.6	16.2
Quality			
Population covered by a mobile-cellular network (%)	39	95	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	14.3	58.8
International Internet bandwidth (bit/s per Internet user)	19 ^a	155	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.1
Mobile-cellular sub-basket (\$ a month)	..	..	11.3
Fixed-broadband sub-basket (\$ a month)	..	..	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	1.0	0.9	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.08	0.32
Secure Internet servers (per million people)	0.6	4.3	3.5

Costa Rica

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	5	2,490
Urban population (% of total)	62	65	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,680	7,640	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.3	4.0	6.3
Adult literacy rate (% ages 15 and older)	95	96	94
Gross primary, secondary, tertiary school enrollment (%)	74	84	75
Sector structure			
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	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	2.1	2.7
Telecommunications investment (% of revenue)	25.8	49.1	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	32.2	26.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	25.6	92.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.04	8.68	9.96
Households with a computer (%)	27.0	45.3	35.9
Households with Internet access at home (%)	10.2	33.6	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	19.2	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	152.2	162.0	144.6
Individuals using the Internet (%)	22.1	42.1	38.2
Quality			
Population covered by a mobile-cellular network (%)	86	70	98
Fixed (wired)-broadband subscriptions (% of total Internet)	60.6	90.6	84.6
International Internet bandwidth (bit/s per Internet user)	689	36,216	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.6	10.0
Mobile-cellular sub-basket (\$ a month)	..	3.4	16.0
Fixed-broadband sub-basket (\$ a month)	..	13.9	18.2
Trade			
ICT goods exports (% of total goods exports)	23.7	19.5	13.9
ICT goods imports (% of total goods imports)	23.7	18.2	13.5
ICT service exports (% of total service exports)	13.3	32.4	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.50	0.46
Secure Internet servers (per million people)	62.0	98.7	19.9

Côte d'Ivoire

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	18	20	2,533
Urban population (% of total)	47	51	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	870	1,090	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.2	1.6	6.2
Adult literacy rate (% ages 15 and older)	49	56	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	6.6	2.5
Telecommunications investment (% of revenue)	29.1	17.6	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.4	1.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	13.0	86.1	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 ^a	0.25	1.25
Households with a computer (%)	1.3	1.8 ^a	10.7
Households with Internet access at home (%)	0.5	1.1 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.4	6.5
Domestic mobile traffic (minutes/subscriber/month)	106.4	52.3	..
Individuals using the Internet (%)	1.0	2.2 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	55	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	6.9	99.3	58.8
International Internet bandwidth (bit/s per Internet user)	296	18,044	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.6	5.1
Mobile-cellular sub-basket (\$ a month)	..	19.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	40.1	21.6
Trade			
ICT goods exports (% of total goods exports)	0.6	0.1	5.7
ICT goods imports (% of total goods imports)	3.8	3.1	6.7
ICT service exports (% of total service exports)	33.7	28.5	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.33	0.32
Secure Internet servers (per million people)	0.3	1.5	3.5

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	1,135
Urban population (% of total)	56	58	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,690	13,540	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	0.0	0.7
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	78	82	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.9	4.0	2.6
Telecommunications investment (% of revenue)	14.5	11.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	42.4	40.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	82.2	116.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	2.62	19.59	27.30
Households with a computer (%)	32.7	60.0	77.3
Households with Internet access at home (%)	40.6	61.4	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	16.5	8.0	..
Domestic mobile traffic (minutes/subscriber/month)	65.7	100.5	184.6
Individuals using the Internet (%)	33.1	70.7	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	12.2	72.3	95.0
International Internet bandwidth (bit/s per Internet user)	3,241	19,948 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.9	23.8
Mobile-cellular sub-basket (\$ a month)	..	15.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	18.2	26.6
Trade			
ICT goods exports (% of total goods exports)	2.6	1.5	9.6
ICT goods imports (% of total goods imports)	6.1	4.2	11.2
ICT service exports (% of total service exports)	12.5	12.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.64	0.67
Secure Internet servers (per million people)	39.6	244.8	1,067.1

Cuba

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	11	11	2,490
Urban population (% of total)	76	75	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,960	5,460	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	5.0	6.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	86	91	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..
Mobile telephone service	M	M	
Internet service	P	P	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	..	2.7
Telecommunications investment (% of revenue)	7.5	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.6	10.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	1.2	11.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04	9.96
Households with a computer (%)	0.2 ^a	3.4 ^a	35.9
Households with Internet access at home (%)	0.4	0.5	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	26.5	15.2	2.6
Domestic mobile traffic (minutes/subscriber/month)	53.0	29.2	144.6
Individuals using the Internet (%)	9.7	23.2	38.2
Quality			
Population covered by a mobile-cellular network (%)	71	78	98
Fixed (wired)-broadband subscriptions (% of total Internet)	5.8	9.2	84.6
International Internet bandwidth (bit/s per Internet user)	95	175	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.3	10.0
Mobile-cellular sub-basket (\$ a month)	..	36.3	16.0
Fixed-broadband sub-basket (\$ a month)	..	1,752.7	18.2
Trade			
ICT goods exports (% of total goods exports)	0.9	..	13.9
ICT goods imports (% of total goods imports)	2.6	..	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.40	0.31	0.46
Secure Internet servers (per million people)	0.1	0.1	19.9

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.13	0.15	1,135
Urban population (% of total)	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, tertiary school enrollment (%)	94
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6
Telecommunications investment (% of revenue)	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	47.3
Mobile-cellular telephone subscriptions (per 100 people)	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	27.30
Households with a computer (%)	77.3
Households with Internet access at home (%)	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)
Domestic mobile traffic (minutes/subscriber/month)	184.6
Individuals using the Internet (%)	75.8
Quality			
Population covered by a mobile-cellular network (%)	100
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0
International Internet bandwidth (bit/s per Internet user)	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	23.8
Mobile-cellular sub-basket (\$ a month)	23.9
Fixed-broadband sub-basket (\$ a month)	26.6
Trade			
ICT goods exports (% of total goods exports)	9.6
ICT goods imports (% of total goods imports)	11.2
ICT service exports (% of total service exports)	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67
Secure Internet servers (per million people)	..	47.5	1,067.1

Cyprus

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	1	1	1,135
Urban population (% of total)	69	71	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,490	29,450	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	2.0	0.7
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, tertiary school enrollment (%)	78	79	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.1	2.6
Telecommunications investment (% of revenue)	15.0	11.9	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.7	36.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	75.8	97.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	3.09	18.94	27.30
Households with a computer (%)	46.0	63.9	77.3
Households with Internet access at home (%)	31.7	57.4	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	57.5	44.1	..
Domestic mobile traffic (minutes/subscriber/month)	174.0	232.9	184.6
Individuals using the Internet (%)	32.8	57.7	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	35.0	99.7	95.0
International Internet bandwidth (bit/s per Internet user)	1,328	53,569	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.4	23.8
Mobile-cellular sub-basket (\$ a month)	..	7.9	23.9
Fixed-broadband sub-basket (\$ a month)	..	20.7	26.6
Trade			
ICT goods exports (% of total goods exports)	25.0	5.6	9.6
ICT goods imports (% of total goods imports)	10.8	4.6	11.2
ICT service exports (% of total service exports)	21.1	25.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.60	0.56	0.67
Secure Internet servers (per million people)	175.3	969.7	1,067.1

Czech Republic

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	10	10	1,135
Urban population (% of total)	74	73	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,890	18,700	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.9	2.0	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	81	86	94
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.4	2.6
Telecommunications investment (% of revenue)	11.7	15.4	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	31.5	21.7	47.3
Mobile-cellular telephone subscriptions (per 100 people)	115.2	123.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	6.94	15.84	27.30
Households with a computer (%)	30.0	69.9	77.3
Households with Internet access at home (%)	19.1	66.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.4	9.9	..
Domestic mobile traffic (minutes/subscriber/month)	50.3	97.5	184.6
Individuals using the Internet (%)	35.3	73.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	30.1	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	13,652	91,064 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.8	23.8
Mobile-cellular sub-basket (\$ a month)	..	33.4	23.9
Fixed-broadband sub-basket (\$ a month)	..	31.2	26.6
Trade			
ICT goods exports (% of total goods exports)	11.1	15.2	9.6
ICT goods imports (% of total goods imports)	11.2	15.8	11.2
ICT service exports (% of total service exports)	24.4	35.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67	0.54	0.67
Secure Internet servers (per million people)	41.5	510.6	1,067.1

Denmark

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	6	1,135
Urban population (% of total)	86	87	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	48,590	60,160	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.2	-0.4	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	103	99	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.2	2.6
Telecommunications investment (% of revenue)	17.2	16.6	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	61.8	45.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	100.5	128.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	24.80	37.60	27.30
Households with a computer (%)	84.0	90.4	77.3
Households with Internet access at home (%)	74.9	90.1	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	18.3	..
Domestic mobile traffic (minutes/subscriber/month)	99.1	134.8	184.6
Individuals using the Internet (%)	82.7	90.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	74.3	93.6	95.0
International Internet bandwidth (bit/s per Internet user)	42,028 ^a	159,511 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	28.9	23.8
Mobile-cellular sub-basket (\$ a month)	..	7.9	23.9
Fixed-broadband sub-basket (\$ a month)	..	43.9	26.6
Trade			
ICT goods exports (% of total goods exports)	7.1	3.4	9.6
ICT goods imports (% of total goods imports)	12.4	7.9	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.91	0.86	0.67
Secure Internet servers (per million people)	411.3	2,242.9	1,067.1

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.81	1	2,533
Urban population (% of total)	77	77	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	990	1,270	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.0	5.2	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	25	34	63
Sector structure			
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	
Internet service	M	M	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	5.7	2.5
Telecommunications investment (% of revenue)	25.6	14.3	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.3	2.0	5.6
Mobile-cellular telephone subscriptions (per 100 people)	5.4	21.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	1.25	1.25
Households with a computer (%)	6.8	13.0 ^a	10.7
Households with Internet access at home (%)	0.6	1.7	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	124.9	6.5
Domestic mobile traffic (minutes/subscriber/month)	50.2	32.0	..
Individuals using the Internet (%)	1.0	7.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	75	95	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.2	74.7	58.8
International Internet bandwidth (bit/s per Internet user)	5,838	13,409 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.1	5.1
Mobile-cellular sub-basket (\$ a month)	..	13.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	41.8	21.6
Trade			
ICT goods exports (% of total goods exports)	..	0.1	5.7
ICT goods imports (% of total goods imports)	..	5.4	6.7
ICT service exports (% of total service exports)	5.1	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.23	0.20	0.32
Secure Internet servers (per million people)	1.2	5.4	3.5

Dominica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	0.07	0.07	2,490
Urban population (% of total)	67	67	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,100	7,030	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	4.5	6.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	M	C	
Internet service	..	C	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.4	7.8	2.7
Telecommunications investment (% of revenue)	18.0	12.5	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.6	22.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	75.4	164.0 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	4.93	12.27	9.96
Households with a computer (%)	..	..	35.9
Households with Internet access at home (%)	..	..	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	41.2	14.6	2.6
Domestic mobile traffic (minutes/subscriber/month)	38.4	112.1	144.6
Individuals using the Internet (%)	38.5	51.3 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	..	90	98
Fixed (wired)-broadband subscriptions (% of total Internet)	54.0	97.2	84.6
International Internet bandwidth (bit/s per Internet user)	1,432	74,871 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.7	10.0
Mobile-cellular sub-basket (\$ a month)	..	17.7	16.0
Fixed-broadband sub-basket (\$ a month)	..	33.0	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	2.5	13.9
ICT goods imports (% of total goods imports)	8.3	4.8	13.5
ICT service exports (% of total service exports)	25.9	16.6	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.37	0.29	0.46
Secure Internet servers (per million people)	116.1	517.3	19.9

Dominican Republic

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	9	10	2,490
Urban population (% of total)	66	70	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,900	5,240	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	6.4	6.3
Adult literacy rate (% ages 15 and older)	88	90	94
Gross primary, secondary, tertiary school enrollment (%)	73	..	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	3.5	2.7
Telecommunications investment (% of revenue)	192.0	15.6	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.7	10.4	20.9
Mobile-cellular telephone subscriptions (per 100 people)	39.1	87.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.65	4.02	9.96
Households with a computer (%)	8.7	18.9	35.9
Households with Internet access at home (%)	3.1	11.8	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	12.5	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	24.1	144.6
Individuals using the Internet (%)	11.5	35.5	38.2
Quality			
Population covered by a mobile-cellular network (%)	..	81	98
Fixed (wired)-broadband subscriptions (% of total Internet)	45.1	92.6	84.6
International Internet bandwidth (bit/s per Internet user)	2,914 ^a	11,765	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.5	10.0
Mobile-cellular sub-basket (\$ a month)	..	16.9	16.0
Fixed-broadband sub-basket (\$ a month)	..	18.9	18.2
Trade			
ICT goods exports (% of total goods exports)	7.2	2.1	13.9
ICT goods imports (% of total goods imports)	4.2	3.5	13.5
ICT service exports (% of total service exports)	4.5	6.7	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.54	0.46
Secure Internet servers (per million people)	5.6	23.9	19.9

Ecuador

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	13	15	2,490
Urban population (% of total)	64	67	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,620	4,200	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.6	3.9	6.3
Adult literacy rate (% ages 15 and older)	84	92	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.7	2.7
Telecommunications investment (% of revenue)	..	13.9	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.5	15.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	46.5	104.5	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.20	4.22	9.96
Households with a computer (%)	17.9	28.8	35.9
Households with Internet access at home (%)	..	16.9	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.2	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	88.1	144.6
Individuals using the Internet (%)	6.0 ^a	31.4	38.2
Quality			
Population covered by a mobile-cellular network (%)	80	95	98
Fixed (wired)-broadband subscriptions (% of total Internet)	19.5	96.8	84.6
International Internet bandwidth (bit/s per Internet user)	2,485	27,742	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.9	10.0
Mobile-cellular sub-basket (\$ a month)	..	17.1	16.0
Fixed-broadband sub-basket (\$ a month)	..	22.6	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	11.1	6.3	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.46	0.46
Secure Internet servers (per million people)	4.0	23.8	19.9

Egypt, Arab Rep.

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	74	83	2,533
Urban population (% of total)	43	44	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,250	2,600	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.4	5.6	6.2
Adult literacy rate (% ages 15 and older)	71	72	71
Gross primary, secondary, tertiary school enrollment (%)	73	73	63
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.9	2.5
Telecommunications investment (% of revenue)	35.2	33.6	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.0	10.6	5.6
Mobile-cellular telephone subscriptions (per 100 people)	18.4	101.1	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.19	2.21	1.25
Households with a computer (%)	..	36.4	10.7
Households with Internet access at home (%)	15.3	30.5	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.6	5.5	6.5
Domestic mobile traffic (minutes/subscriber/month)	32.5	119.6	..
Individuals using the Internet (%)	12.8	38.7	16.2
Quality			
Population covered by a mobile-cellular network (%)	92	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.5	84.1	58.8
International Internet bandwidth (bit/s per Internet user)	400	3,829	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.1	5.1
Mobile-cellular sub-basket (\$ a month)	..	6.6	11.3
Fixed-broadband sub-basket (\$ a month)	..	8.0	21.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	5.7
ICT goods imports (% of total goods imports)	4.4	3.5	6.7
ICT service exports (% of total service exports)	13.2	7.0	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.60	0.32
Secure Internet servers (per million people)	0.5	3.7	3.5

El Salvador

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	6	6	2,533
Urban population (% of total)	62	65	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,820	3,480	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.3	1.1	6.2
Adult literacy rate (% ages 15 and older)	84	84	71
Gross primary, secondary, tertiary school enrollment (%)	72	71	63
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.8	2.5
Telecommunications investment (% of revenue)	13.6	17.7	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.1	16.5	5.6
Mobile-cellular telephone subscriptions (per 100 people)	39.9	133.5	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.70	3.31 ^a	1.25
Households with a computer (%)	7.4	13.3	10.7
Households with Internet access at home (%)	2.1	8.0	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	27.5	6.5
Domestic mobile traffic (minutes/subscriber/month)	33.2	86.9	..
Individuals using the Internet (%)	4.2 ^a	17.7 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	95	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	33.2	99.3	58.8
International Internet bandwidth (bit/s per Internet user)	610 ^a	6,042	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.9	5.1
Mobile-cellular sub-basket (\$ a month)	..	13.1	11.3
Fixed-broadband sub-basket (\$ a month)	..	15.8	21.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	5.7
ICT goods imports (% of total goods imports)	3.6	5.6	6.7
ICT service exports (% of total service exports)	8.4	10.5	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.67	0.32
Secure Internet servers (per million people)	6.1	20.9	3.5

Equatorial Guinea

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.61	0.72	1,135
Urban population (% of total)	39	40	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,220	15,670	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	26.0	7.7	0.7
Adult literacy rate (% ages 15 and older)	88	94	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	15.9	59.1 ^a	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.17	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	1.1	6.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0	..	95.0
International Internet bandwidth (bit/s per Internet user)	2,404	4,069	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.10	0.67
Secure Internet servers (per million people)	..	1.4	1,067.1

Eritrea

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	5	817
Urban population (% of total)	19	21	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	250	430	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.5	0.0	5.8
Adult literacy rate (% ages 15 and older)	53	68	63
Gross primary, secondary, tertiary school enrollment (%)	33	28	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.1	..
Telecommunications investment (% of revenue)	57.6	70.0	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.9	4.5	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	..	1.4 ^a	..
Households with Internet access at home (%)	..	1.2 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	80.9	..
Domestic mobile traffic (minutes/subscriber/month)	81.4	112.9	86.3
Individuals using the Internet (%)	1.8	6.2 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	2	85	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	1.9	24.5
International Internet bandwidth (bit/s per Internet user)	75	89	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.6	9.6
Mobile-cellular sub-basket (\$ a month)	..	12.1	11.9
Fixed-broadband sub-basket (\$ a month)	..	204.0	42.8
Trade			
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)	..	..	18.6
Applications			
Online service 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	2011	2011
Economic and social context			
Population (millions)	1	1	1,135
Urban population (% of total)	69	70	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	9,730	15,260	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.1	-0.4	0.7
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, tertiary school enrollment (%)	93	91	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	2.9	2.6
Telecommunications investment (% of revenue)	8.2	18.4	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	32.8	35.2	47.3
Mobile-cellular telephone subscriptions (per 100 people)	107.4	139.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.31	24.77	27.30
Households with a computer (%)	43.0	71.4	77.3
Households with Internet access at home (%)	38.7	70.8	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.9	9.8	..
Domestic mobile traffic (minutes/subscriber/month)	75.0	114.8	184.6
Individuals using the Internet (%)	61.5	76.5	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	91.0	95.2	95.0
International Internet bandwidth (bit/s per Internet user)	5,804	24,378 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.9	23.8
Mobile-cellular sub-basket (\$ a month)	..	23.3	23.9
Fixed-broadband sub-basket (\$ a month)	..	21.1	26.6
Trade			
ICT goods exports (% of total goods exports)	17.0	11.5	9.6
ICT goods imports (% of total goods imports)	13.0	11.5	11.2
ICT service exports (% of total service exports)	17.2	24.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.76	0.82	0.67
Secure Internet servers (per million people)	101.8	653.8	1,067.1

Ethiopia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	74	85	817
Urban population (% of total)	16	17	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	160	370	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.6	10.0	5.8
Adult literacy rate (% ages 15 and older)	30	..	63
Gross primary, secondary, tertiary school enrollment (%)	44	57	58
Sector structure			
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 (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.8	..
Telecommunications investment (% of revenue)	82.1	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.0	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.6	16.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00 ^a	0.01	0.12
Households with a computer (%)	0.2	1.4 ^a	..
Households with Internet access at home (%)	0.1	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.5	4.2	..
Domestic mobile traffic (minutes/subscriber/month)	90.9	69.5	86.3
Individuals using the Internet (%)	0.2	1.1 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	10	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	3.0	24.5
International Internet bandwidth (bit/s per Internet user)	356 ^a	6,974	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.1	9.6
Mobile-cellular sub-basket (\$ a month)	..	4.2	11.9
Fixed-broadband sub-basket (\$ a month)	..	27.6	42.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	..
ICT goods imports (% of total goods imports)	7.0	3.8	..
ICT service exports (% of total service exports)	10.9	6.0	18.6
Applications			
Online service 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	2011	2011
Economic and social context			
Population (millions)	0.05	0.05	1,135
Urban population (% of total)	40	41	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.4	41.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	87.1	122.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	12.16	33.40	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	73.1	82.1	184.6
Individuals using the Internet (%)	67.9	80.7 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	99.4	95.0
International Internet bandwidth (bit/s per Internet user)	4,883	..	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	9.6
ICT goods imports (% of total goods imports)	4.3	4.3	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	62.6	1,268.9	1,067.1

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.82	0.87	2,533
Urban population (% of total)	50	52	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,590	3,720	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.6	0.2	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	78	88	63
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	..	2.5
Telecommunications investment (% of revenue)	20.2	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7 ^a	15.0	5.6
Mobile-cellular telephone subscriptions (per 100 people)	24.9	83.7	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.85	2.68	1.25
Households with a computer (%)	..	26.8 ^a	10.7
Households with Internet access at home (%)	..	18.8 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	8.5	28.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	60	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	52.6	59.6	58.8
International Internet bandwidth (bit/s per Internet user)	1,035	8,020	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.5	5.1
Mobile-cellular sub-basket (\$ a month)	..	19.8	11.3
Fixed-broadband sub-basket (\$ a month)	..	18.7	21.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	5.7
ICT goods imports (% of total goods imports)	4.7	3.9	6.7
ICT service exports (% of total service exports)	5.4	3.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.36	0.32
Secure Internet servers (per million people)	8.5	36.5	3.5

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	5	1,135
Urban population (% of total)	83	84	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	38,550	47,760	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.6	0.4	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	101	101	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.0	2.6
Telecommunications investment (% of revenue)	9.8	18.1	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.4	20.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	100.5	166.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	22.39	29.50	27.30
Households with a computer (%)	63.9	85.1	77.3
Households with Internet access at home (%)	54.1	84.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	171.5	177.5	184.6
Individuals using the Internet (%)	74.5	89.4	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	57.1	..	95.0
International Internet bandwidth (bit/s per Internet user)	5,790 ^a	118,445 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	25.5	23.8
Mobile-cellular sub-basket (\$ a month)	..	13.1	23.9
Fixed-broadband sub-basket (\$ a month)	..	35.4	26.6
Trade			
ICT goods exports (% of total goods exports)	20.3	4.9	9.6
ICT goods imports (% of total goods imports)	14.3	7.1	11.2
ICT service exports (% of total service exports)	32.3	40.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.75	0.88	0.67
Secure Internet servers (per million people)	308.2	1,621.6	1,067.1

France

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	63	65	1,135
Urban population (% of total)	82	86	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,850	42,420	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.5	0.4	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	95	94
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.2	2.6
Telecommunications investment (% of revenue)	15.6	15.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	55.3	63.2	47.3
Mobile-cellular telephone subscriptions (per 100 people)	78.8	94.8	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	15.53	36.04	27.30
Households with a computer (%)	54.3 ^a	78.2	77.3
Households with Internet access at home (%)	34.4	75.9	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.6	19.5	..
Domestic mobile traffic (minutes/subscriber/month)	138.0	147.7	184.6
Individuals using the Internet (%)	42.9	79.6	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	98.7	95.0
International Internet bandwidth (bit/s per Internet user)	7,648	78,590 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.6	23.8
Mobile-cellular sub-basket (\$ a month)	..	49.2	23.9
Fixed-broadband sub-basket (\$ a month)	..	31.6	26.6
Trade			
ICT goods exports (% of total goods exports)	6.3	4.3	9.6
ICT goods imports (% of total goods imports)	8.5	6.5	11.2
ICT service exports (% of total service exports)	23.8	30.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.80	0.88	0.67
Secure Internet servers (per million people)	76.1	424.9	1,067.1

French Polynesia

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.25	0.27	1,135
Urban population (% of total)	52	51	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.9	20.1 ^a	47.3
Mobile-cellular telephone subscriptions (per 100 people)	47.1	81.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	4.32	13.15	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	9.1	9.4	..
Domestic mobile traffic (minutes/subscriber/month)	116.7	103.8	184.6
Individuals using the Internet (%)	21.5	49.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	96	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.5	98.5	95.0
International Internet bandwidth (bit/s per Internet user)	1,639	14,909 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.5	9.6
ICT goods imports (% of total goods imports)	5.1	5.6	11.2
ICT service exports (% of total service exports)	13.5	9.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	58.9	148.2	1,067.1

Gabon

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	1	2	2,490
Urban population (% of total)	83	86	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,110	8,080	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.6	3.0	6.3
Adult literacy rate (% ages 15 and older)	84	88	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	..	2.7
Telecommunications investment (% of revenue)	12.4	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.9	1.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	53.7	117.3 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.11	0.29 ^a	9.96
Households with a computer (%)	..	7.6 ^a	35.9
Households with Internet access at home (%)	..	6.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	2.1	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	144.6
Individuals using the Internet (%)	4.9	8.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	78	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	17.7	18.4	84.6
International Internet bandwidth (bit/s per Internet user)	2,982	6,314	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	10.0
Mobile-cellular sub-basket (\$ a month)	..	..	16.0
Fixed-broadband sub-basket (\$ a month)	..	..	18.2
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	13.9
ICT goods imports (% of total goods imports)	3.7	3.5	13.5
ICT service exports (% of total service exports)	37.7	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.19	0.46
Secure Internet servers (per million people)	5.8	11.5	19.9

Gambia, The

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	817
Urban population (% of total)	53	57	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	500	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	4.0	5.8
Adult literacy rate (% ages 15 and older)	37	50	63
Gross primary, secondary, tertiary school enrollment (%)	..	54	58
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.9	2.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	16.5	78.9	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.12
Households with a computer (%)	2.3	5.7 ^a	..
Households with Internet access at home (%)	1.1	2.0	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	14.7	..	86.3
Individuals using the Internet (%)	3.8 ^a	10.9 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	70	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6	..	24.5
International Internet bandwidth (bit/s per Internet user)	158 ^a	1,606	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.5	9.6
Mobile-cellular sub-basket (\$ a month)	..	6.0	11.9
Fixed-broadband sub-basket (\$ a month)	..	280.3	42.8
Trade			
ICT goods exports (% of total goods exports)	1.2	0.1	..
ICT goods imports (% of total goods imports)	5.0	1.9	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.23	0.32	0.20
Secure Internet servers (per million people)	1.3	3.8	0.8

Georgia

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	2,533
Urban population (% of total)	52	53	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,360	2,860	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.5	4.6	6.2
Adult literacy rate (% ages 15 and older)	100	100	71
Gross primary, secondary, tertiary school enrollment (%)	76	72	63
Sector structure			
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	C	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.2	2.7	2.5
Telecommunications investment (% of revenue)	30.9	36.7	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.7	31.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	26.2	102.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.05 ^a	7.51	1.25
Households with a computer (%)	3.4	18.2	10.7
Households with Internet access at home (%)	..	16.6	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	6.1	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	97.2	..
Individuals using the Internet (%)	6.1 ^a	36.6 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	95	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	100.0	58.8
International Internet bandwidth (bit/s per Internet user)	118 ^a	26,695	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.3	5.1
Mobile-cellular sub-basket (\$ a month)	..	10.2	11.3
Fixed-broadband sub-basket (\$ a month)	..	8.4	21.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	5.7
ICT goods imports (% of total goods imports)	4.4	5.3	6.7
ICT service exports (% of total service exports)	4.0	4.6	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.46	0.60	0.32
Secure Internet servers (per million people)	4.6	27.2	3.5

Germany

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	82	82	1,135
Urban population (% of total)	73	74	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,780	44,230	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.5	1.1	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	1.5	2.6
Telecommunications investment (% of revenue)	8.6	15.7	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	66.4	63.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	96.0	132.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.07	33.09	27.30
Households with a computer (%)	70.0	86.9	77.3
Households with Internet access at home (%)	61.6	83.3	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	43.0	82.0	184.6
Individuals using the Internet (%)	68.7	83.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	53.9	..	95.0
International Internet bandwidth (bit/s per Internet user)	9,981 ^a	74,786 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	27.2	23.8
Mobile-cellular sub-basket (\$ a month)	..	31.5	23.9
Fixed-broadband sub-basket (\$ a month)	..	39.4	26.6
Trade			
ICT goods exports (% of total goods exports)	7.9	4.6	9.6
ICT goods imports (% of total goods imports)	11.5	7.9	11.2
ICT service exports (% of total service exports)	29.7	32.5	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.71	0.75	0.67
Secure Internet servers (per million people)	274.2	1,102.4	1,067.1

Ghana

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	22	25	2,533
Urban population (% of total)	48	52	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	1,410	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	7.4	6.2
Adult literacy rate (% ages 15 and older)	58	67	71
Gross primary, secondary, tertiary school enrollment (%)	53	65	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	2.9	2.5
Telecommunications investment (% of revenue)	..	80.4	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.5	1.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	13.3	84.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.25	1.25
Households with a computer (%)	2.1	9.1 ^a	10.7
Households with Internet access at home (%)	0.3	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.6	7.5	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	0.1	..
Individuals using the Internet (%)	1.8	14.1 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	59	85	86
Fixed (wired)-broadband subscriptions (% of total Internet)	17.8	99.5	58.8
International Internet bandwidth (bit/s per Internet user)	424	225	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.5	5.1
Mobile-cellular sub-basket (\$ a month)	..	7.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	31.5	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	4.8	5.3	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.30	0.30	0.32
Secure Internet servers (per million people)	0.1	3.1	3.5

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	11	11	1,135
Urban population (% of total)	60	61	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	21,400	24,490	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.2	-1.2	0.7
Adult literacy rate (% ages 15 and older)	96	97	98
Gross primary, secondary, tertiary school enrollment (%)	99	..	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	3.1	2.6
Telecommunications investment (% of revenue)	9.4	14.9	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	56.4	50.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	91.7	106.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.43	21.62	27.30
Households with a computer (%)	33.0	57.2	77.3
Households with Internet access at home (%)	21.7	50.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.9	13.3	..
Domestic mobile traffic (minutes/subscriber/month)	49.3	40.7	184.6
Individuals using the Internet (%)	24.0	53.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	100 ^a	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	98.1	95.0
International Internet bandwidth (bit/s per Internet user)	2,427 ^a	26,008	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.8	23.8
Mobile-cellular sub-basket (\$ a month)	..	36.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	19.2	26.6
Trade			
ICT goods exports (% of total goods exports)	2.8	2.0	9.6
ICT goods imports (% of total goods imports)	5.7	5.0	11.2
ICT service exports (% of total service exports)	6.6	7.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.58	0.67
Secure Internet servers (per million people)	31.4	169.6	1,067.1

Greenland

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.06	0.06	1,135
Urban population (% of total)	83	85	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	29,690	26,020	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7	1.5	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	56.2	34.7	47.3
Mobile-cellular telephone subscriptions (per 100 people)	81.3	102.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	12.46	20.65	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	0.1	184.6
Individuals using the Internet (%)	57.7	64.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	90	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	909	16,362	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	0.1	..	9.6
ICT goods imports (% of total goods imports)	5.8	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	212.2	1,640.5	1,067.1

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.10	0.10	2,490
Urban population (% of total)	37	39	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,820	7,350	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	-0.5	6.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	91	75
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.8	6.7	2.7
Telecommunications investment (% of revenue)	19.1	13.4	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.7	27.2	20.9
Mobile-cellular telephone subscriptions (per 100 people)	45.6	116.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	3.14	13.82	9.96
Households with a computer (%)	..	..	35.9
Households with Internet access at home (%)	..	..	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	100.5	46.6	2.6
Domestic mobile traffic (minutes/subscriber/month)	133.5	200.9	144.6
Individuals using the Internet (%)	20.5	33.5 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	57.3	100.0	84.6
International Internet bandwidth (bit/s per Internet user)	19,505	100,111 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.4	10.0
Mobile-cellular sub-basket (\$ a month)	..	17.1	16.0
Fixed-broadband sub-basket (\$ a month)	..	29.4	18.2
Trade			
ICT goods exports (% of total goods exports)	1.5	2.0	13.9
ICT goods imports (% of total goods imports)	4.8	4.4	13.5
ICT service exports (% of total service exports)	15.8	16.4	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.35	0.46
Secure Internet servers (per million people)	29.2	47.5	19.9

Guam

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.17	0.18	1,135
Urban population (% of total)	93	93	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	38.9 ^a	36.4 ^a	47.3
Mobile-cellular telephone subscriptions (per 100 people)	59.1	..	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.56	1.67 ^a	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	38.6	50.6 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	95.0
International Internet bandwidth (bit/s per Internet user)	..	..	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	106.8	222.4	1,067.1

Guatemala

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	13	15	2,533
Urban population (% of total)	47	50	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,070	2,870	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	3.4	6.2
Adult literacy rate (% ages 15 and older)	69	75	71
Gross primary, secondary, tertiary school enrollment (%)	71	..	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.8	11.0	5.6
Mobile-cellular telephone subscriptions (per 100 people)	35.5	140.4	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.21	1.80 ^a	1.25
Households with a computer (%)	10.7	15.8 ^a	10.7
Households with Internet access at home (%)	2.1	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	32.1	10.3	6.5
Domestic mobile traffic (minutes/subscriber/month)	51.4	50.7	..
Individuals using the Internet (%)	5.7	11.7 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	76	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	58.8
International Internet bandwidth (bit/s per Internet user)	974	6,934 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.6	5.1
Mobile-cellular sub-basket (\$ a month)	..	8.8	11.3
Fixed-broadband sub-basket (\$ a month)	..	27.3	21.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	5.7
ICT goods imports (% of total goods imports)	6.0	6.0	6.7
ICT service exports (% of total service exports)	19.3	21.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.43	0.46	0.32
Secure Internet servers (per million people)	5.5	14.5	3.5

Guinea

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	9	10	817
Urban population (% of total)	33	35	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	360	430	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.0	2.3	5.8
Adult literacy rate (% ages 15 and older)	30	41	63
Gross primary, secondary, tertiary school enrollment (%)	46	57	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3 ^a	0.2 ^a	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.1	44.0 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01 ^a	0.12
Households with a computer (%)	..	1.5 ^a	..
Households with Internet access at home (%)	..	1.0 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	0.5	1.3 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	80	80	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	24.5
International Internet bandwidth (bit/s per Internet user)	41 ^a	1,731 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.6	9.6
Mobile-cellular sub-basket (\$ a month)	..	4.1	11.9
Fixed-broadband sub-basket (\$ a month)	..	800.0	42.8
Trade			
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)	1.1	49.3	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.14	0.00	0.20
Secure Internet servers (per million people)	..	0.6	0.8

Guinea-Bissau

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	1	2	817
Urban population (% of total)	40	44	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	410	600	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7	4.2	5.8
Adult literacy rate (% ages 15 and older)	41	54	63
Gross primary, secondary, tertiary school enrollment (%)	62	..	58
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.7	0.3 ^a	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.2	56.2 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	1.9	2.7 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	65	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	0.0	24.5
International Internet bandwidth (bit/s per Internet user)	2 ^a	54 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	1.8	..	..
ICT service exports (% of total service exports)	10.5	55.4	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.15	0.10	0.20
Secure Internet servers (per million people)	..	1.3	0.8

Guyana

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	0.75	0.76	2,533
Urban population (% of total)	28	28	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,090	2,900	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.8	4.2	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	78	70	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	5.2	2.5
Telecommunications investment (% of revenue)	50.0	19.2	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.8	20.2	5.6
Mobile-cellular telephone subscriptions (per 100 people)	37.7	69.9	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.27	2.65	1.25
Households with a computer (%)	5.9	7.2 ^a	10.7
Households with Internet access at home (%)	2.7	6.1 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	21.7	15.1	6.5
Domestic mobile traffic (minutes/subscriber/month)	24.7	35.2	..
Individuals using the Internet (%)	..	32.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	95	97	86
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	68.2	58.8
International Internet bandwidth (bit/s per Internet user)	..	4,547	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.1	5.1
Mobile-cellular sub-basket (\$ a month)	..	8.4	11.3
Fixed-broadband sub-basket (\$ a month)	..	24.9	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.3	5.7
ICT goods imports (% of total goods imports)	1.9	3.6	6.7
ICT service exports (% of total service exports)	42.4	32.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.44	0.25	0.32
Secure Internet servers (per million people)	1.3	5.3	3.5

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	9	10	817
Urban population (% of total)	44	53	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	400	700	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.7	1.2	5.8
Adult literacy rate (% ages 15 and older)	49	..	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6 ^a	0.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.4 ^a	41.5 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	6.4	8.4 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	..	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	24.5
International Internet bandwidth (bit/s per Internet user)	227 ^a	..	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.21	0.09	0.20
Secure Internet servers (per million people)	0.6	1.7	0.8

Honduras

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	7	8	2,533
Urban population (% of total)	49	52	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,400	1,980	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	3.1	6.2
Adult literacy rate (% ages 15 and older)	84	85	71
Gross primary, secondary, tertiary school enrollment (%)	..	75	63
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	6.1	2.5
Telecommunications investment (% of revenue)	23.5	2.9	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.2	7.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	18.6	104.0	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.43	1.25
Households with a computer (%)	6.3	12.9 ^a	10.7
Households with Internet access at home (%)	1.5	6.8 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	25.3	20.7	6.5
Domestic mobile traffic (minutes/subscriber/month)	43.0	24.9	..
Individuals using the Internet (%)	6.5	15.9	16.2
Quality			
Population covered by a mobile-cellular network (%)	90	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.0	58.8
International Internet bandwidth (bit/s per Internet user)	1,118 ^a	4,866	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.3	5.1
Mobile-cellular sub-basket (\$ a month)	..	17.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	19.0	21.6
Trade			
ICT goods exports (% of total goods exports)	1.1	0.1	5.7
ICT goods imports (% of total goods imports)	5.6	6.3	6.7
ICT service exports (% of total service exports)	8.1	11.4	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.40	0.38	0.32
Secure Internet servers (per million people)	4.4	9.5	3.5

Hong Kong SAR, China

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	7	1,135
Urban population (% of total)	100	100	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	28,890	36,010	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.2	3.5	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	74	82	94
Sector structure			
Separate telecommunications/ICT regulator	..	Yes	
Status of main fixed-line operator	..	..
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	..
Mobile telephone service	..	..
Internet service	..	..
Foreign ownership (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	3.2	2.6
Telecommunications investment (% of revenue)	18.3	13.4	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	55.7	61.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	125.5	214.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	24.36	31.58	27.30
Households with a computer (%)	70.1	77.9	77.3
Households with Internet access at home (%)	64.6	76.4	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	66.0	..
Domestic mobile traffic (minutes/subscriber/month)	..	117.6	184.6
Individuals using the Internet (%)	56.9	74.5 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	63.1	73.5	95.0
International Internet bandwidth (bit/s per Internet user)	16,936	1,046,329	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.2	23.8
Mobile-cellular sub-basket (\$ a month)	..	9.8	23.9
Fixed-broadband sub-basket (\$ a month)	..	21.2	26.6
Trade			
ICT goods exports (% of total goods exports)	38.3	42.5	9.6
ICT goods imports (% of total goods imports)	38.2	40.4	11.2
ICT service exports (% of total service exports)	18.4	16.3	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	162.3	643.2	1,067.1

Hungary

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	10	10	1,135
Urban population (% of total)	66	69	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,220	12,730	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.2	-0.5	0.7
Adult literacy rate (% ages 15 and older)	99	99	98
Gross primary, secondary, tertiary school enrollment (%)	89	90	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	3.3	2.6
Telecommunications investment (% of revenue)	9.1	15.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	33.9	29.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	92.4	117.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	6.46	22.16	27.30
Households with a computer (%)	42.0	69.7	77.3
Households with Internet access at home (%)	22.1	65.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.8	8.9	..
Domestic mobile traffic (minutes/subscriber/month)	84.5	127.3	184.6
Individuals using the Internet (%)	39.0	59.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.7	99.4	95.0
International Internet bandwidth (bit/s per Internet user)	8,904	12,245 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	22.1	23.8
Mobile-cellular sub-basket (\$ a month)	..	27.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	21.7	26.6
Trade			
ICT goods exports (% of total goods exports)	25.6	21.6	9.6
ICT goods imports (% of total goods imports)	18.7	17.5	11.2
ICT service exports (% of total service exports)	20.3	29.3	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.65	0.69	0.67
Secure Internet servers (per million people)	30.0	252.0	1,067.1

Iceland

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.30	0.32	1,135
Urban population (% of total)	93	94	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	49,620	34,820	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	-0.1	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	97	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	..	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.0	2.6
Telecommunications investment (% of revenue)	19.5	12.0	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	65.3	58.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	95.4	106.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	26.29	33.92	27.30
Households with a computer (%)	89.0	94.7	77.3
Households with Internet access at home (%)	84.4	92.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	18.7	17.1	..
Domestic mobile traffic (minutes/subscriber/month)	125.4	180.8	184.6
Individuals using the Internet (%)	87.0	95.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	89.6	95.9	95.0
International Internet bandwidth (bit/s per Internet user)	4,803	287,139	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.0	23.8
Mobile-cellular sub-basket (\$ a month)	..	17.9	23.9
Fixed-broadband sub-basket (\$ a month)	..	26.8	26.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	9.6
ICT goods imports (% of total goods imports)	6.4	4.4	11.2
ICT service exports (% of total service exports)	21.4	27.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.54	0.67
Secure Internet servers (per million people)	1,004.3	3,064.4	1,067.1

India

	South Asia		Lower middle income
			Lower middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	1,140	1,241	2,533
Urban population (% of total)	29	31	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	730	1,420	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.7	7.9	6.2
Adult literacy rate (% ages 15 and older)	63	..	71
Gross primary, secondary, tertiary school enrollment (%)	60	65	63
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.1	2.5
Telecommunications investment (% of revenue)	50.5	36.5	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.4	2.6	5.6
Mobile-cellular telephone subscriptions (per 100 people)	7.9	72.0	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.12	1.08	1.25
Households with a computer (%)	..	6.1 ^a	10.7
Households with Internet access at home (%)	..	4.2 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.6	4.9	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	2.4 ^a	10.1	16.2
Quality			
Population covered by a mobile-cellular network (%)	31	83	86
Fixed (wired)-broadband subscriptions (% of total Internet)	19.4	59.6	58.8
International Internet bandwidth (bit/s per Internet user)	735	6,319	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.9	5.1
Mobile-cellular sub-basket (\$ a month)	..	3.5	11.3
Fixed-broadband sub-basket (\$ a month)	..	6.1	21.6
Trade			
ICT goods exports (% of total goods exports)	1.1	2.2	5.7
ICT goods imports (% of total goods imports)	7.6	6.0	6.7
ICT service exports (% of total service exports)	67.2	61.5	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.38	0.54	0.32
Secure Internet servers (per million people)	0.6	3.5	3.5

Indonesia

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	227	242	2,533
Urban population (% of total)	46	51	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,220	2,940	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	5.8	6.2
Adult literacy rate (% ages 15 and older)	92	93	71
Gross primary, secondary, tertiary school enrollment (%)	65	76	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.9	2.5
Telecommunications investment (% of revenue)	28.3	18.6	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.9	15.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	20.6	103.1	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.05 ^a	1.13	1.25
Households with a computer (%)	3.7	12.0 ^a	10.7
Households with Internet access at home (%)	1.0	7.0 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.6	18.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	90	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.8	57.5	58.8
International Internet bandwidth (bit/s per Internet user)	184 ^a	7,196	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.6	5.1
Mobile-cellular sub-basket (\$ a month)	..	8.1	11.3
Fixed-broadband sub-basket (\$ a month)	..	21.6	21.6
Trade			
ICT goods exports (% of total goods exports)	8.1	3.9	5.7
ICT goods imports (% of total goods imports)	3.6	7.4	6.7
ICT service exports (% of total service exports)	29.7	34.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.50	0.32
Secure Internet servers (per million people)	0.5	4.0	3.5

Iran, Islamic Rep.

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	70	75	2,490
Urban population (% of total)	68	69	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,550	4,520	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.9	4.5	6.3
Adult literacy rate (% ages 15 and older)	82	85	94
Gross primary, secondary, tertiary school enrollment (%)	64	77	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	2.3	2.7
Telecommunications investment (% of revenue)	74.5	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	29.2	37.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	12.2	74.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.14	2.37	9.96
Households with a computer (%)	..	33.7 ^a	35.9
Households with Internet access at home (%)	..	20.8 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	2.9 ^a	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	109.4	144.6
Individuals using the Internet (%)	8.1 ^a	21.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	75	96	98
Fixed (wired)-broadband subscriptions (% of total Internet)	..	33.8	84.6
International Internet bandwidth (bit/s per Internet user)	604 ^a	3,540	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.2	10.0
Mobile-cellular sub-basket (\$ a month)	..	3.6	16.0
Fixed-broadband sub-basket (\$ a month)	..	30.5	18.2
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	13.9
ICT goods imports (% of total goods imports)	4.6	3.6	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.49	0.46
Secure Internet servers (per million people)	0.3	1.3	19.9

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	28	33	2,533
Urban population (% of total)	67	67	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,150	2,640	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-7.6	5.0	6.2
Adult literacy rate (% ages 15 and older)	74	78	71
Gross primary, secondary, tertiary school enrollment (%)	63	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.1	5.5 ^a	5.6
Mobile-cellular telephone subscriptions (per 100 people)	5.6	78.1 ^a	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	1.25
Households with a computer (%)	5.0	18.2	10.7
Households with Internet access at home (%)	..	8.6	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.9 ^a	5.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	68	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	72.1	28.5	58.8
International Internet bandwidth (bit/s per Internet user)	130	61 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.4	5.1
Mobile-cellular sub-basket (\$ a month)	..	12.5	11.3
Fixed-broadband sub-basket (\$ a month)	..	211.3	21.6
Trade			
ICT goods exports (% of total goods exports)	..	..	5.7
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	5.0	4.4	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.29	0.32
Secure Internet servers (per million people)	0.0	0.1	3.5

Ireland

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	5	1,135
Urban population (% of total)	60	62	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	42,250	39,150	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.9	-0.7	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	96	105	94
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.7	2.6
Telecommunications investment (% of revenue)	10.1	16.0	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.4	45.2	47.3
Mobile-cellular telephone subscriptions (per 100 people)	102.7	108.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	7.76	21.96	27.30
Households with a computer (%)	55.0	80.6	77.3
Households with Internet access at home (%)	47.2	78.1	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	115.4	169.7	184.6
Individuals using the Internet (%)	41.6	76.8	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	34.8	91.2	95.0
International Internet bandwidth (bit/s per Internet user)	14,211 ^a	69,031 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.3	23.8
Mobile-cellular sub-basket (\$ a month)	..	37.3	23.9
Fixed-broadband sub-basket (\$ a month)	..	32.9	26.6
Trade			
ICT goods exports (% of total goods exports)	22.4	6.6	9.6
ICT goods imports (% of total goods imports)	23.8	9.5	11.2
ICT service exports (% of total service exports)	57.1	62.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.73	0.54	0.67
Secure Internet servers (per million people)	353.9	1,056.9	1,067.1

Isle of Man

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.08	0.08	1,135
Urban population (% of total)	51	51	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	38,610	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.8	..	0.7
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, tertiary school enrollment (%)	94
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6
Telecommunications investment (% of revenue)	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	47.3
Mobile-cellular telephone subscriptions (per 100 people)	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	27.30
Households with a computer (%)	77.3
Households with Internet access at home (%)	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)
Domestic mobile traffic (minutes/subscriber/month)	184.6
Individuals using the Internet (%)	75.8
Quality			
Population covered by a mobile-cellular network (%)	100
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0
International Internet bandwidth (bit/s per Internet user)	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	23.8
Mobile-cellular sub-basket (\$ a month)	23.9
Fixed-broadband sub-basket (\$ a month)	26.6
Trade			
ICT goods exports (% of total goods exports)	9.6
ICT goods imports (% of total goods imports)	11.2
ICT service exports (% of total service exports)	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67
Secure Internet servers (per million people)	25.0	1,164.1	1,067.1

Israel

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	8	1,135
Urban population (% of total)	92	92	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	20,180	28,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.0	4.0	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	92	92	94
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.4	2.6
Telecommunications investment (% of revenue)	..	12.0	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	44.5	46.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	117.4	121.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	18.62	24.85	27.30
Households with a computer (%)	60.0 ^a	79.0	77.3
Households with Internet access at home (%)	42.0 ^a	71.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	25.2	70.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.3	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	10,217 ^a	37,782	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	17.4	23.8
Mobile-cellular sub-basket (\$ a month)	..	34.8	23.9
Fixed-broadband sub-basket (\$ a month)	..	8.8	26.6
Trade			
ICT goods exports (% of total goods exports)	7.5	10.7	9.6
ICT goods imports (% of total goods imports)	9.7	8.7	11.2
ICT service exports (% of total service exports)	55.4	57.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.85	0.67
Secure Internet servers (per million people)	162.8	429.9	1,067.1

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	59	61	1,135
Urban population (% of total)	68	68	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	30,880	35,320	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.9	-0.6	0.7
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	90	90	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.0	2.6
Telecommunications investment (% of revenue)	23.2	18.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	42.7	36.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	121.9	157.9	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	11.63	22.08	27.30
Households with a computer (%)	46.0	66.2	77.3
Households with Internet access at home (%)	38.6	61.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	87.7	108.8	184.6
Individuals using the Internet (%)	35.0	56.8	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	38.5	97.5	95.0
International Internet bandwidth (bit/s per Internet user)	5,834 ^a	60,820 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	25.8	23.8
Mobile-cellular sub-basket (\$ a month)	..	30.9	23.9
Fixed-broadband sub-basket (\$ a month)	..	26.5	26.6
Trade			
ICT goods exports (% of total goods exports)	3.1	2.1	9.6
ICT goods imports (% of total goods imports)	7.1	6.0	11.2
ICT service exports (% of total service exports)	34.2	34.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67	0.58	0.67
Secure Internet servers (per million people)	44.2	210.7	1,067.1

Jamaica

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	3	2,490
Urban population (% of total)	52	52	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	6.3
Adult literacy rate (% ages 15 and older)	..	87	94
Gross primary, secondary, tertiary school enrollment (%)	81	82	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	4.2	2.7
Telecommunications investment (% of revenue)	19.0	23.2	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	11.9	9.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	73.9	108.1	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.68	3.87	9.96
Households with a computer (%)	15.7	22.7	35.9
Households with Internet access at home (%)	6.7	14.0	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	41.3	80.8	2.6
Domestic mobile traffic (minutes/subscriber/month)	33.5	194.7	144.6
Individuals using the Internet (%)	12.8 ^a	31.5 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	95	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	96.4	97.9	84.6
International Internet bandwidth (bit/s per Internet user)	5,827	29,539	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.9	10.0
Mobile-cellular sub-basket (\$ a month)	..	12.9	16.0
Fixed-broadband sub-basket (\$ a month)	..	29.0	18.2
Trade			
ICT goods exports (% of total goods exports)	0.3	0.4	13.9
ICT goods imports (% of total goods imports)	5.0	3.9	13.5
ICT service exports (% of total service exports)	8.3	7.8	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.31	0.46
Secure Internet servers (per million people)	14.3	51.4	19.9

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	128	128	1,135
Urban population (% of total)	86	91	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,140	44,900	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.3	-0.2	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	86	89	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	2.8	2.6
Telecommunications investment (% of revenue)	14.3	11.1	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.9	51.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	76.3	105.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	18.44	27.60	27.30
Households with a computer (%)	80.5	83.4	77.3
Households with Internet access at home (%)	57.0	81.3	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	23.6	2.3	..
Domestic mobile traffic (minutes/subscriber/month)	97.6	98.1	184.6
Individuals using the Internet (%)	66.9	79.5 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	44.0	90.2	95.0
International Internet bandwidth (bit/s per Internet user)	2,601 ^a	23,111	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.4	23.8
Mobile-cellular sub-basket (\$ a month)	..	50.4	23.9
Fixed-broadband sub-basket (\$ a month)	..	24.2	26.6
Trade			
ICT goods exports (% of total goods exports)	16.9	9.2	9.6
ICT goods imports (% of total goods imports)	13.5	10.1	11.2
ICT service exports (% of total service exports)	19.8	28.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.77	0.86	0.67
Secure Internet servers (per million people)	257.7	774.3	1,067.1

Jordan

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	6	2,490
Urban population (% of total)	81	83	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,490	4,380	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.3	5.7	6.3
Adult literacy rate (% ages 15 and older)	91	93	94
Gross primary, secondary, tertiary school enrollment (%)	80	75	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	5.8	2.7
Telecommunications investment (% of revenue)	20.5	12.0	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	11.8	7.4	20.9
Mobile-cellular telephone subscriptions (per 100 people)	58.7	118.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.44	3.16	9.96
Households with a computer (%)	23.0 ^a	50.8	35.9
Households with Internet access at home (%)	8.0 ^a	35.4	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	15.4	17.7	2.6
Domestic mobile traffic (minutes/subscriber/month)	111.8	266.9	144.6
Individuals using the Internet (%)	12.9	34.9	38.2
Quality			
Population covered by a mobile-cellular network (%)	99	99	98
Fixed (wired)-broadband subscriptions (% of total Internet)	12.0	96.1	84.6
International Internet bandwidth (bit/s per Internet user)	449 ^a	6,337	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.4	10.0
Mobile-cellular sub-basket (\$ a month)	..	10.4	16.0
Fixed-broadband sub-basket (\$ a month)	..	22.6	18.2
Trade			
ICT goods exports (% of total goods exports)	3.2	1.5	13.9
ICT goods imports (% of total goods imports)	6.9	4.1	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.55	0.39	0.46
Secure Internet servers (per million people)	3.7	29.7	19.9

Kazakhstan

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	15	17	2,490
Urban population (% of total)	55	54	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,950	8,260	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	10.1	5.8	6.3
Adult literacy rate (% ages 15 and older)	..	100	94
Gross primary, secondary, tertiary school enrollment (%)	91	92	75
Sector structure			
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 (not allowed, restricted, allowed)	..	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.1	2.7
Telecommunications investment (% of revenue)	5.3	16.6	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	17.8	26.3	20.9
Mobile-cellular telephone subscriptions (per 100 people)	35.6	155.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	7.36	9.96
Households with a computer (%)	..	46.0 ^a	35.9
Households with Internet access at home (%)	..	44.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.2	3.9	2.6
Domestic mobile traffic (minutes/subscriber/month)	41.1	68.4	144.6
Individuals using the Internet (%)	3.0	45.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	81	95	98
Fixed (wired)-broadband subscriptions (% of total Internet)	1.0	94.6	84.6
International Internet bandwidth (bit/s per Internet user)	107 ^a	21,939	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.7	10.0
Mobile-cellular sub-basket (\$ a month)	..	12.2	16.0
Fixed-broadband sub-basket (\$ a month)	..	23.9	18.2
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	13.9
ICT goods imports (% of total goods imports)	4.0	5.7	13.5
ICT service exports (% of total service exports)	11.2	11.2	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.78	0.46
Secure Internet servers (per million people)	0.9	7.8	19.9

Kenya

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	36	42	817
Urban population (% of total)	22	24	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	520	820	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.4	4.3	5.8
Adult literacy rate (% ages 15 and older)	82	87	63
Gross primary, secondary, tertiary school enrollment (%)	59	67	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	9.9	..
Telecommunications investment (% of revenue)	76.3	22.3	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	12.9	67.5	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	0.10	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	2.2	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.8	3.7	..
Domestic mobile traffic (minutes/subscriber/month)	12.7	77.6	86.3
Individuals using the Internet (%)	3.1	28.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	62	89	..
Fixed (wired)-broadband subscriptions (% of total Internet)	6.7	34.0	24.5
International Internet bandwidth (bit/s per Internet user)	103	4,544	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.2	9.6
Mobile-cellular sub-basket (\$ a month)	..	4.5	11.9
Fixed-broadband sub-basket (\$ a month)	..	37.8	42.8
Trade			
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)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.43	0.20
Secure Internet servers (per million people)	0.3	4.2	0.8

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.09	0.10	2,533
Urban population (% of total)	44	44	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,750	2,030	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	-0.3	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	76	73	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.6	8.4	5.6
Mobile-cellular telephone subscriptions (per 100 people)	0.7	13.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.35	0.91 ^a	1.25
Households with a computer (%)	6.0	..	10.7
Households with Internet access at home (%)	2.5	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	4.0 ^a	10.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	58.8
International Internet bandwidth (bit/s per Internet user)	..	4,451	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.5	5.1
Mobile-cellular sub-basket (\$ a month)	..	18.7	11.3
Fixed-broadband sub-basket (\$ a month)	..	383.1	21.6
Trade			
ICT goods exports (% of total goods exports)	0.9	7.3	5.7
ICT goods imports (% of total goods imports)	1.3	2.1	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.07	0.32
Secure Internet servers (per million people)	..	9.7	3.5

Korea, Dem. People's Rep.

East Asia & Pacific

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	24	24	817
Urban population (% of total)	60	60	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	5.8
Adult literacy rate (% ages 15 and older)	..	100	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.2	4.8 ^a	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.0	4.1 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 ^a	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	0.0	0.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	0	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	24.5
International Internet bandwidth (bit/s per Internet user)	..	..	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service 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	2011	2011
Economic and social context			
Population (millions)	48	50	1,135
Urban population (% of total)	81	83	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	16,900	20,870	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.5	3.5	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	98	102	94
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	4.4	2.6
Telecommunications investment (% of revenue)	14.4	14.2	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	50.8	60.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	81.5	108.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	25.91	36.91	27.30
Households with a computer (%)	79.7 ^a	81.9	77.3
Households with Internet access at home (%)	92.7	97.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.2	3.6	..
Domestic mobile traffic (minutes/subscriber/month)	175.8	170.7	184.6
Individuals using the Internet (%)	73.5	83.8	75.8
Quality			
Population covered by a mobile-cellular network (%)	80	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	1,439	17,170	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.8	23.8
Mobile-cellular sub-basket (\$ a month)	..	21.8	23.9
Fixed-broadband sub-basket (\$ a month)	..	25.7	26.6
Trade			
ICT goods exports (% of total goods exports)	30.0	18.0	9.6
ICT goods imports (% of total goods imports)	15.2	10.4	11.2
ICT service exports (% of total service exports)	19.9	20.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.83	1.00	0.67
Secure Internet servers (per million people)	20.0	2,733.4	1,067.1

Kosovo

Europe & Central Asia	Lower middle income		
	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,533
Urban population (% of total)	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,550	3,510	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.9	5.1	6.2
Adult literacy rate (% ages 15 and older)	71
Gross primary, secondary, tertiary school enrollment (%)	63
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5
Telecommunications investment (% of revenue)	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.6
Mobile-cellular telephone subscriptions (per 100 people)	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.25
Households with a computer (%)	10.7
Households with Internet access at home (%)	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.5
Domestic mobile traffic (minutes/subscriber/month)
Individuals using the Internet (%)	16.2
Quality			
Population covered by a mobile-cellular network (%)	86
Fixed (wired)-broadband subscriptions (% of total Internet)	58.8
International Internet bandwidth (bit/s per Internet user)	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	5.1
Mobile-cellular sub-basket (\$ a month)	11.3
Fixed-broadband sub-basket (\$ a month)	21.6
Trade			
ICT goods exports (% of total goods exports)	5.7
ICT goods imports (% of total goods imports)	6.7
ICT service exports (% of total service exports)	4.7	27.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.32
Secure Internet servers (per million people)	3.5

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	3	1,135
Urban population (% of total)	98	98	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	34,650	48,900	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.9	2.7	0.7
Adult literacy rate (% ages 15 and older)	93	94	98
Gross primary, secondary, tertiary school enrollment (%)	83	..	94
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	..	2.6
Telecommunications investment (% of revenue)	27.0	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	22.3	18.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	61.0	175.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	1.68 ^a	27.30
Households with a computer (%)	..	69.0	77.3
Households with Internet access at home (%)	..	57.7	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	25.9	74.2	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100 ^a	100
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8	..	95.0
International Internet bandwidth (bit/s per Internet user)	1,503	5,951 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.6	23.8
Mobile-cellular sub-basket (\$ a month)	..	7.8	23.9
Fixed-broadband sub-basket (\$ a month)	..	19.2	26.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	9.6
ICT goods imports (% of total goods imports)	5.0	6.4	11.2
ICT service exports (% of total service exports)	52.2	35.3	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.58	0.67
Secure Internet servers (per million people)	35.3	202.3	1,067.1

Kyrgyz Republic

Europe & Central Asia

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	6	817
Urban population (% of total)	35	35	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	450	900	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	4.8	5.8
Adult literacy rate (% ages 15 and older)	..	99	63
Gross primary, secondary, tertiary school enrollment (%)	79	75	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	6.7	..
Telecommunications investment (% of revenue)	3.2	18.6	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.7	9.3	1.1
Mobile-cellular telephone subscriptions (per 100 people)	10.7	116.4	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.05	0.69	0.12
Households with a computer (%)	2.1	4.0 ^a	..
Households with Internet access at home (%)	..	3.6 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	6.9	..
Domestic mobile traffic (minutes/subscriber/month)	..	78.7	86.3
Individuals using the Internet (%)	10.5	20.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	42	97	..
Fixed (wired)-broadband subscriptions (% of total Internet)	16.2	32.1	24.5
International Internet bandwidth (bit/s per Internet user)	516	1,726	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.2	9.6
Mobile-cellular sub-basket (\$ a month)	..	3.6	11.9
Fixed-broadband sub-basket (\$ a month)	..	54.6	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	..
ICT goods imports (% of total goods imports)	3.3	3.8	..
ICT service exports (% of total service exports)	26.4	14.3	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.42	0.20
Secure Internet servers (per million people)	0.6	3.9	0.8

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	6	6	2,533
Urban population (% of total)	27	34	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	460	1,130	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.2	7.9	6.2
Adult literacy rate (% ages 15 and older)	73	..	71
Gross primary, secondary, tertiary school enrollment (%)	60	61	63
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	3.8	2.5
Telecommunications investment (% of revenue)	63.0	53.8	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	11.4	87.2	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.66	1.25
Households with a computer (%)	..	6.9 ^a	10.7
Households with Internet access at home (%)	..	3.4 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	59.6	36,898.6	..
Individuals using the Internet (%)	0.9	9.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	55	80	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.0	53.7	58.8
International Internet bandwidth (bit/s per Internet user)	409	2,048	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.6	5.1
Mobile-cellular sub-basket (\$ a month)	..	6.2	11.3
Fixed-broadband sub-basket (\$ a month)	..	97.2	21.6
Trade			
ICT goods exports (% of total goods exports)	..	..	5.7
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.24	0.22	0.32
Secure Internet servers (per million people)	0.3	0.8	3.5

Latvia

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,490
Urban population (% of total)	68	68	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,810	13,320	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.0	-1.7	6.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	91	81	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	3.6	2.7
Telecommunications investment (% of revenue)	..	25.9	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	31.7	23.0	20.9
Mobile-cellular telephone subscriptions (per 100 people)	81.2	102.9 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.64	20.39	9.96
Households with a computer (%)	32.0	64.3	35.9
Households with Internet access at home (%)	30.5	63.6	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	72.2	..	144.6
Individuals using the Internet (%)	46.0	71.7	38.2
Quality			
Population covered by a mobile-cellular network (%)	98	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	83.2	..	84.6
International Internet bandwidth (bit/s per Internet user)	2,621	44,779	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.1	10.0
Mobile-cellular sub-basket (\$ a month)	..	12.5	16.0
Fixed-broadband sub-basket (\$ a month)	..	12.9	18.2
Trade			
ICT goods exports (% of total goods exports)	2.0	5.4	13.9
ICT goods imports (% of total goods imports)	5.8	5.4	13.5
ICT service exports (% of total service exports)	15.9	20.3	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.59	0.59	0.46
Secure Internet servers (per million people)	37.8	245.2	19.9

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	2,490
Urban population (% of total)	87	87	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,710	9,140	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	6.7	6.3
Adult literacy rate (% ages 15 and older)	90	..	94
Gross primary, secondary, tertiary school enrollment (%)	78	84	75
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.9	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	15.7	21.1 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	24.5 ^a	78.6 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	3.21	5.17 ^a	9.96
Households with a computer (%)	24.0	71.5	35.9
Households with Internet access at home (%)	4.4	61.8	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	88.5	44.4	2.6
Domestic mobile traffic (minutes/subscriber/month)	190.6	189.4	144.6
Individuals using the Internet (%)	10.1	52.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	97	98
Fixed (wired)-broadband subscriptions (% of total Internet)	56.5	47.0	84.6
International Internet bandwidth (bit/s per Internet user)	706	2,257 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.7	10.0
Mobile-cellular sub-basket (\$ a month)	..	19.0	16.0
Fixed-broadband sub-basket (\$ a month)	..	17.6	18.2
Trade			
ICT goods exports (% of total goods exports)	1.8	0.9	13.9
ICT goods imports (% of total goods imports)	3.3	2.3	13.5
ICT service exports (% of total service exports)	42.4	47.8	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.48	0.46
Secure Internet servers (per million people)	8.4	51.3	19.9

Lesotho

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,533
Urban population (% of total)	23	28	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	850	1,210	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	4.7	6.2
Adult literacy rate (% ages 15 and older)	86	90	71
Gross primary, secondary, tertiary school enrollment (%)	60	..	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	1.8	2.5
Telecommunications investment (% of revenue)	20.9	30.3	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.3	1.8 ^a	5.6
Mobile-cellular telephone subscriptions (per 100 people)	12.1	56.2 ^a	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00 ^a	0.06	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	1.9	6.5
Domestic mobile traffic (minutes/subscriber/month)	26.2	5.4	..
Individuals using the Internet (%)	2.6 ^a	4.2 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	29	75	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.8	4.1	58.8
International Internet bandwidth (bit/s per Internet user)	80	2,816 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.0	5.1
Mobile-cellular sub-basket (\$ a month)	..	22.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	53.0	21.6
Trade			
ICT goods exports (% of total goods exports)	3.3	5.8	5.7
ICT goods imports (% of total goods imports)	1.1	2.7	6.7
ICT service exports (% of total service exports)	11.9	22.2	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.38	0.30	0.32
Secure Internet servers (per million people)	0.5	0.5	3.5

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	4	817
Urban population (% of total)	46	48	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	120	330	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-1.0	12.0	5.8
Adult literacy rate (% ages 15 and older)	55	61	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.1	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.1	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.0	49.2	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	0.8	1.0	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	11.1	..
Domestic mobile traffic (minutes/subscriber/month)	0.0	52.0	86.3
Individuals using the Internet (%)	0.6	3.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	16	1	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	24.5
International Internet bandwidth (bit/s per Internet user)	..	614	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.19	0.20
Secure Internet servers (per million people)	..	1.4	0.8

Libya

Middle East & North Africa	Upper middle income		
	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	6	6	2,490
Urban population (% of total)	77	78	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,460	12,320	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	4.5	6.3
Adult literacy rate (% ages 15 and older)	86	89	94
Gross primary, secondary, tertiary school enrollment (%)	93	..	75
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.8 ^a	15.6 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	34.7	155.7 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.16	1.09 ^a	9.96
Households with a computer (%)	7.6	..	35.9
Households with Internet access at home (%)	..	..	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	84.0	..	144.6
Individuals using the Internet (%)	3.9 ^a	17.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	71	98	98
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	8.2	84.6
International Internet bandwidth (bit/s per Internet user)	442 ^a	10,992 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	10.0
Mobile-cellular sub-basket (\$ a month)	..	..	16.0
Fixed-broadband sub-basket (\$ a month)	..	..	18.2
Trade			
ICT goods exports (% of total goods exports)	..	..	13.9
ICT goods imports (% of total goods imports)	..	..	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.00	0.46
Secure Internet servers (per million people)	0.2	1.5	19.9

Liechtenstein

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.03	0.04	1,135
Urban population (% of total)	15	14	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	92,780	137,070	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.5	3.0	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	86	88	94
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	57.7	54.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	79.3	101.8	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	24.84	71.62	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	63.4	85.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	94	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	54.9	..	95.0
International Internet bandwidth (bit/s per Internet user)	6,822	6,033	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	29.0	23.8
Mobile-cellular sub-basket (\$ a month)	..	23.4	23.9
Fixed-broadband sub-basket (\$ a month)	..	47.1	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.55	0.59	0.67
Secure Internet servers (per million people)	1,412.3	7,685.1	1,067.1

Lithuania

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	3	2,490
Urban population (% of total)	67	67	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,380	12,980	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.0	0.5	6.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	93	89	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.7	2.7
Telecommunications investment (% of revenue)	15.6	13.9	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	23.5	21.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	127.5	151.3	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	6.85	22.13	9.96
Households with a computer (%)	32.0	61.8	35.9
Households with Internet access at home (%)	15.8	61.8	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.0	5.4	2.6
Domestic mobile traffic (minutes/subscriber/month)	55.7	11.5	144.6
Individuals using the Internet (%)	36.2	65.1	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	90.9	99.8	84.6
International Internet bandwidth (bit/s per Internet user)	4,030	57,571	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.9	10.0
Mobile-cellular sub-basket (\$ a month)	..	9.6	16.0
Fixed-broadband sub-basket (\$ a month)	..	10.3	18.2
Trade			
ICT goods exports (% of total goods exports)	5.3	2.4	13.9
ICT goods imports (% of total goods imports)	6.4	3.7	13.5
ICT service exports (% of total service exports)	8.2	9.7	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.66	0.70	0.46
Secure Internet servers (per million people)	21.7	262.4	19.9

Luxembourg

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.47	0.52	1,135
Urban population (% of total)	84	85	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	69,180	77,390	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.5	1.3	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	76	75	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	1.2	2.6
Telecommunications investment (% of revenue)	18.3	18.6	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	53.5	54.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	111.5	148.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	15.33	32.90	27.30
Households with a computer (%)	75.0	91.7	77.3
Households with Internet access at home (%)	64.6	90.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	74.2	69.1	..
Domestic mobile traffic (minutes/subscriber/month)	79.7	78.9	184.6
Individuals using the Internet (%)	70.0	90.9	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	58.9	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	29,528	89,564 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.9	23.8
Mobile-cellular sub-basket (\$ a month)	..	26.0	23.9
Fixed-broadband sub-basket (\$ a month)	..	38.1	26.6
Trade			
ICT goods exports (% of total goods exports)	7.9	2.8	9.6
ICT goods imports (% of total goods imports)	8.4	4.0	11.2
ICT service exports (% of total service exports)	16.4	19.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.75	0.70	0.67
Secure Internet servers (per million people)	473.0	2,050.2	1,067.1

Macao SAR, China

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.48	0.56	1,135
Urban population (% of total)	100	100	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	23,410	45,460	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.8	11.9	0.7
Adult literacy rate (% ages 15 and older)	93	..	98
Gross primary, secondary, tertiary school enrollment (%)	87	81	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	1.8	2.6
Telecommunications investment (% of revenue)	16.8	11.1	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	36.2	29.8	47.3
Mobile-cellular telephone subscriptions (per 100 people)	110.7	243.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	14.13	24.73	27.30
Households with a computer (%)	68.1	83.0	77.3
Households with Internet access at home (%)	57.2	75.9	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	37.5	32.8	..
Domestic mobile traffic (minutes/subscriber/month)	123.1	..	184.6
Individuals using the Internet (%)	34.9	58.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.8	99.4	95.0
International Internet bandwidth (bit/s per Internet user)	9,534	59,685	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.4	23.8
Mobile-cellular sub-basket (\$ a month)	..	5.7	23.9
Fixed-broadband sub-basket (\$ a month)	..	8.5	26.6
Trade			
ICT goods exports (% of total goods exports)	2.8	5.2	9.6
ICT goods imports (% of total goods imports)	9.7	13.2	11.2
ICT service exports (% of total service exports)	0.9	1.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	54.0	239.3	1,067.1

Macedonia, FYR

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,490
Urban population (% of total)	59	59	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,900	4,810	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	3.3	6.3
Adult literacy rate (% ages 15 and older)	96	97	94
Gross primary, secondary, tertiary school enrollment (%)	70	71	75
Sector structure			
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 (not allowed, restricted, allowed)	A	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	5.2	2.7
Telecommunications investment (% of revenue)	9.8	14.0	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.2	20.4	20.9
Mobile-cellular telephone subscriptions (per 100 people)	55.5	107.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.61	12.56	9.96
Households with a computer (%)	24.9	53.6	35.9
Households with Internet access at home (%)	12.5	46.1	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	15.2	16.8	2.6
Domestic mobile traffic (minutes/subscriber/month)	28.7	128.2	144.6
Individuals using the Internet (%)	26.5 ^a	56.7	38.2
Quality			
Population covered by a mobile-cellular network (%)	99	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	11.5	99.6	84.6
International Internet bandwidth (bit/s per Internet user)	63 ^a	17,945 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.9	10.0
Mobile-cellular sub-basket (\$ a month)	..	19.1	16.0
Fixed-broadband sub-basket (\$ a month)	..	12.8	18.2
Trade			
ICT goods exports (% of total goods exports)	0.4	0.3	13.9
ICT goods imports (% of total goods imports)	4.3	3.7	13.5
ICT service exports (% of total service exports)	20.7	22.7	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.45	0.46
Secure Internet servers (per million people)	0.5	41.1	19.9

Madagascar

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	18	21	817
Urban population (% of total)	29	33	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	430	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.0	2.5	5.8
Adult literacy rate (% ages 15 and older)	71	64	63
Gross primary, secondary, tertiary school enrollment (%)	62	67	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.2	..
Telecommunications investment (% of revenue)	32.8	26.4	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.5	0.6	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.9	40.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	0.12
Households with a computer (%)	0.5	1.4	..
Households with Internet access at home (%)	..	0.7	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.7 ^a	1.2	..
Domestic mobile traffic (minutes/subscriber/month)	7.7	2.3	86.3
Individuals using the Internet (%)	0.6	1.9 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	23	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	38.7	24.5
International Internet bandwidth (bit/s per Internet user)	335	553	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.2	9.6
Mobile-cellular sub-basket (\$ a month)	..	15.4	11.9
Fixed-broadband sub-basket (\$ a month)	..	38.3	42.8
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	..
ICT goods imports (% of total goods imports)	4.6	2.6	..
ICT service exports (% of total service exports)	19.6	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.32	0.20
Secure Internet servers (per million people)	0.2	0.6	0.8

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	13	15	817
Urban population (% of total)	15	16	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	220	360	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.5	7.2	5.8
Adult literacy rate (% ages 15 and older)	..	75	63
Gross primary, secondary, tertiary school enrollment (%)	65	70	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	3.4	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	3.3	25.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	5.2	86.3
Individuals using the Internet (%)	0.4	3.3	6.0
Quality			
Population covered by a mobile-cellular network (%)	70	85	..
Fixed (wired)-broadband subscriptions (% of total Internet)	2.7	2.2	24.5
International Internet bandwidth (bit/s per Internet user)	395	3,788	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.3	9.6
Mobile-cellular sub-basket (\$ a month)	..	21.2	11.9
Fixed-broadband sub-basket (\$ a month)	..	561.9	42.8
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	..
ICT goods imports (% of total goods imports)	3.5	3.5	..
ICT service exports (% of total service exports)	6.8	16.2	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.22	0.20
Secure Internet servers (per million people)	0.2	0.9	0.8

Malaysia

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	26	29	2,490
Urban population (% of total)	68	73	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,190	8,770	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	4.2	6.3
Adult literacy rate (% ages 15 and older)	89	93	94
Gross primary, secondary, tertiary school enrollment (%)	71	..	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	3.6	2.7
Telecommunications investment (% of revenue)	22.5	19.3	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.7	14.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	74.9	127.0	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.85	7.44	9.96
Households with a computer (%)	31.3	64.1	35.9
Households with Internet access at home (%)	15.2	61.4	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	144.6
Individuals using the Internet (%)	48.6	61.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	93	96	98
Fixed (wired)-broadband subscriptions (% of total Internet)	11.6	27.6	84.6
International Internet bandwidth (bit/s per Internet user)	252 ^a	10,651	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.1	10.0
Mobile-cellular sub-basket (\$ a month)	..	8.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	20.5	18.2
Trade			
ICT goods exports (% of total goods exports)	43.4	29.4	13.9
ICT goods imports (% of total goods imports)	38.0	25.6	13.5
ICT service exports (% of total service exports)	19.4	19.5	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.61	0.79	0.46
Secure Internet servers (per million people)	14.4	66.1	19.9

Maldives

South Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.30	0.32	2,490
Urban population (% of total)	34	41	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,380	5,720	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.9	7.1	6.3
Adult literacy rate (% ages 15 and older)	98	..	94
Gross primary, secondary, tertiary school enrollment (%)	76	..	75
Sector structure			
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>	<i>P</i>	
Internet service	<i>M</i>	..	
Foreign ownership (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.6	..	2.7
Telecommunications investment (% of revenue)	15.2	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.9	7.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	69.0	165.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	6.37	9.96
Households with a computer (%)	26.1 ^a	54.4	35.9
Households with Internet access at home (%)	7.9	23.5	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	55.8	172.0	144.6
Individuals using the Internet (%)	6.9	34.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	91	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	96.0	84.6
International Internet bandwidth (bit/s per Internet user)	2,613	30,659	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.1	10.0
Mobile-cellular sub-basket (\$ a month)	..	6.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	9.3	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	..	13.9
ICT goods imports (% of total goods imports)	11.2	5.8	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.33	0.46
Secure Internet servers (per million people)	6.8	104.8	19.9

Mali

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	13	16	817
Urban population (% of total)	31	35	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	390	610	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.9	4.7	5.8
Adult literacy rate (% ages 15 and older)	26	31	63
Gross primary, secondary, tertiary school enrollment (%)	43	50	58
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	5.1	..
Telecommunications investment (% of revenue)	25.8	36.1	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	0.7	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.8	68.3	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	0.12
Households with a computer (%)	1.5	3.0 ^a	..
Households with Internet access at home (%)	..	1.2 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.0	7.1	..
Domestic mobile traffic (minutes/subscriber/month)	9.9	16.4	86.3
Individuals using the Internet (%)	0.5	2.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	20	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	45.7	6.5	24.5
International Internet bandwidth (bit/s per Internet user)	389	4,893	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.9	9.6
Mobile-cellular sub-basket (\$ a month)	..	14.7	11.9
Fixed-broadband sub-basket (\$ a month)	..	47.3	42.8
Trade			
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)	21.9	33.9	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.16	0.32	0.20
Secure Internet servers (per million people)	0.1	1.0	0.8

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.40	0.42	1,135
Urban population (% of total)	94	95	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,380	18,620	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.8	2.0	0.7
Adult literacy rate (% ages 15 and older)	92	..	98
Gross primary, secondary, tertiary school enrollment (%)	78	82	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4	2.7	2.6
Telecommunications investment (% of revenue)	15.1	15.2	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.4	55.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	79.2	124.9	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	12.56	30.95	27.30
Households with a computer (%)	46.0	76.4	77.3
Households with Internet access at home (%)	40.6	75.3	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	40.3	76.6	184.6
Individuals using the Internet (%)	41.2	69.2	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	57.9	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	4,591	47,850	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.4	23.8
Mobile-cellular sub-basket (\$ a month)	..	20.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	18.2	26.6
Trade			
ICT goods exports (% of total goods exports)	45.2	22.9	9.6
ICT goods imports (% of total goods imports)	25.5	13.0	11.2
ICT service exports (% of total service exports)	15.3	13.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.66	0.61	0.67
Secure Internet servers (per million people)	331.8	1,662.6	1,067.1

Marshall Islands

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.05	0.05	2,533
Urban population (% of total)	70	72	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,560	3,910	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.8	1.5	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	69	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.6	..	5.6
Mobile-cellular telephone subscriptions (per 100 people)	1.3	..	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.9	3.5 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	58.8
International Internet bandwidth (bit/s per Internet user)	1,156	23,766	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.1
Mobile-cellular sub-basket (\$ a month)	..	..	11.3
Fixed-broadband sub-basket (\$ a month)	..	..	21.6
Trade			
ICT goods exports (% of total goods exports)	..	..	5.7
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.14	0.32
Secure Internet servers (per million people)	19.1	125.6	3.5

Mauritania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	4	817
Urban population (% of total)	40	42	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	720	1,030	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.5	4.0	5.8
Adult literacy rate (% ages 15 and older)	51	58	63
Gross primary, secondary, tertiary school enrollment (%)	47	51	58
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.8	5.5	..
Telecommunications investment (% of revenue)	19.2	30.6	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.3	2.0	1.1
Mobile-cellular telephone subscriptions (per 100 people)	24.5	93.6	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.17	0.12
Households with a computer (%)	..	3.0 ^a	..
Households with Internet access at home (%)	..	1.0	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	8.7	7.1	..
Domestic mobile traffic (minutes/subscriber/month)	47.1	58.7	86.3
Individuals using the Internet (%)	0.7	4.5 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	26	62	..
Fixed (wired)-broadband subscriptions (% of total Internet)	7.2	91.1	24.5
International Internet bandwidth (bit/s per Internet user)	2,204	3,890	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.0	9.6
Mobile-cellular sub-basket (\$ a month)	..	14.4	11.9
Fixed-broadband sub-basket (\$ a month)	..	23.5	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	1.4	1.4	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.20	0.08	0.20
Secure Internet servers (per million people)	0.3	1.7	0.8

Mauritius

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	1	1	2,490
Urban population (% of total)	42	42	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,360	8,040	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.3	4.5	6.3
Adult literacy rate (% ages 15 and older)	84	89	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	2.4	2.7
Telecommunications investment (% of revenue)	12.9	332.6	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	28.4	28.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	52.3	99.0	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.43	8.94	9.96
Households with a computer (%)	22.5 ^a	38.2 ^a	35.9
Households with Internet access at home (%)	15.0 ^a	36.4 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.5	15.6	2.6
Domestic mobile traffic (minutes/subscriber/month)	80.8	131.5	144.6
Individuals using the Internet (%)	15.2 ^a	35.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	99	98
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3	92.1	84.6
International Internet bandwidth (bit/s per Internet user)	802	12,714	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.1	10.0
Mobile-cellular sub-basket (\$ a month)	..	6.7	16.0
Fixed-broadband sub-basket (\$ a month)	..	13.1	18.2
Trade			
ICT goods exports (% of total goods exports)	13.3	0.5	13.9
ICT goods imports (% of total goods imports)	12.8	4.3	13.5
ICT service exports (% of total service exports)	18.5	31.5	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.43	0.46
Secure Internet servers (per million people)	18.5	132.4	19.9

Mexico

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	106	115	2,490
Urban population (% of total)	76	78	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,820	9,420	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	1.4	6.3
Adult literacy rate (% ages 15 and older)	92	93	94
Gross primary, secondary, tertiary school enrollment (%)	77	81	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.8	2.7
Telecommunications investment (% of revenue)	15.9	15.7	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	18.3	17.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	44.3	82.4	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.81	10.21	9.96
Households with a computer (%)	18.6	30.0	35.9
Households with Internet access at home (%)	8.9	23.3	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	45.8	101.3	144.6
Individuals using the Internet (%)	17.2 ^a	36.2	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	49.5	97.8	84.6
International Internet bandwidth (bit/s per Internet user)	736 ^a	8,715	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.9	10.0
Mobile-cellular sub-basket (\$ a month)	..	17.0	16.0
Fixed-broadband sub-basket (\$ a month)	..	18.2	18.2
Trade			
ICT goods exports (% of total goods exports)	18.0	17.0	13.9
ICT goods imports (% of total goods imports)	17.1	17.3	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.59	0.73	0.46
Secure Internet servers (per million people)	8.1	29.7	19.9

Micronesia, Fed. Sts.

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.11	0.11	2,533
Urban population (% of total)	22	23	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,510	2,860	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.4	-0.1	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	75	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	..	2.5
Telecommunications investment (% of revenue)	13.2	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	11.4	7.6	5.6
Mobile-cellular telephone subscriptions (per 100 people)	12.9	24.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.04	0.90	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	44.2	..	..
Individuals using the Internet (%)	11.9	20.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	2.0	..	58.8
International Internet bandwidth (bit/s per Internet user)	462	1,801 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.0	5.1
Mobile-cellular sub-basket (\$ a month)	..	9.1	11.3
Fixed-broadband sub-basket (\$ a month)	..	50.0	21.6
Trade			
ICT goods exports (% of total goods exports)	..	..	5.7
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.21	0.32
Secure Internet servers (per million people)	18.3	53.5	3.5

Moldova

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	2,533
Urban population (% of total)	43	48	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	1,980	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.1	3.3	6.2
Adult literacy rate (% ages 15 and older)	97	99	71
Gross primary, secondary, tertiary school enrollment (%)	71	69	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.7	5.1	2.5
Telecommunications investment (% of revenue)	31.4	42.9	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.7	33.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	28.9	104.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.28	10.02	1.25
Households with a computer (%)	7.0	36.9a	10.7
Households with Internet access at home (%)	..	34.7a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	22.2	17.3	6.5
Domestic mobile traffic (minutes/subscriber/month)	36.4	92.7	..
Individuals using the Internet (%)	14.6	38.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	97	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	17.0	100.0	58.8
International Internet bandwidth (bit/s per Internet user)	744	91,118	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.9	5.1
Mobile-cellular sub-basket (\$ a month)	..	12.6	11.3
Fixed-broadband sub-basket (\$ a month)	..	12.2	21.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.6	5.7
ICT goods imports (% of total goods imports)	3.6	3.5	6.7
ICT service exports (% of total service exports)	21.2	26.2	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.52	0.32
Secure Internet servers (per million people)	4.2	27.6	3.5

Monaco

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.04	0.04	1,135
Urban population (% of total)	100	100	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	123,100	188,800	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.7	10.3	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4	..	2.6
Telecommunications investment (% of revenue)	7.6	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	96.4	125.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	48.8	89.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	26.94	44.25	27.30
Households with a computer (%)	..	65.5	77.3
Households with Internet access at home (%)	..	57.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	241.5	..	..
Domestic mobile traffic (minutes/subscriber/month)	49.0	122.5	184.6
Individuals using the Internet (%)	55.5	75.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	96.9	98.5	95.0
International Internet bandwidth (bit/s per Internet user)	5,720	48,955	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	21.2	23.8
Mobile-cellular sub-basket (\$ a month)	..	52.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	45.9	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.36	0.67
Secure Internet servers (per million people)	680.7	2,906.0	1,067.1

Mongolia

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	3	2,533
Urban population (% of total)	62	68	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	2,310	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.7	7.3	6.2
Adult literacy rate (% ages 15 and older)	98	97	71
Gross primary, secondary, tertiary school enrollment (%)	78	89	63
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	4.9	2.5
Telecommunications investment (% of revenue)	15.1	20.0	29.0
Sector performance			
Access	6.1	6.7	5.6
Fixed-telephone subscriptions (per 100 people)	21.9	105.1	80.1
Mobile-cellular telephone subscriptions (per 100 people)	0.07	3.17	1.25
Fixed (wired)-broadband subscriptions (per 100 people)	..	22.3	10.7
Households with a computer (%)	..	7.7	7.7
Households with Internet access at home (%)	..	4.2	6.5
Usage	..	4.2	6.5
Int'l. voice traffic, total (minutes/subscriber/month)	0.3	121.6	..
Domestic mobile traffic (minutes/subscriber/month)	..	20.0 ^a	16.2
Individuals using the Internet (%)	..	..	..
Quality	29	88	86
Population covered by a mobile-cellular network (%)	20.0	98.8	58.8
Fixed (wired)-broadband subscriptions (% of total Internet)	..	53,576	6,560
International Internet bandwidth (bit/s per Internet user)	..	..	..
Affordability	..	0.7	5.1
Fixed-telephone sub-basket (\$ a month)	..	3.6	11.3
Mobile-cellular sub-basket (\$ a month)	..	8.5	21.6
Fixed-broadband sub-basket (\$ a month)	..	..	..
Trade	0.0	..	5.7
ICT goods exports (% of total goods exports)	5.0	..	6.7
ICT goods imports (% of total goods imports)	6.0	21.1	43.4
ICT service exports (% of total service exports)	..	..	..
Applications	..	..	..
Online service index (0-1, 1=highest presence)	0.47	0.59	0.32
Secure Internet servers (per million people)	3.1	17.6	3.5

Montenegro

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	0.63	0.63	2,490
Urban population (% of total)	62	63	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,580	7,140	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	3.7	6.3
Adult literacy rate (% ages 15 and older)	..	98	94
Gross primary, secondary, tertiary school enrollment (%)	74	86	75
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.3	26.8 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	86.7	185.3 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.22	8.30 ^a	9.96
Households with a computer (%)	18.6	46.6	35.9
Households with Internet access at home (%)	13.8	51.4	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	110.7	..	144.6
Individuals using the Internet (%)	27.1 ^a	40.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	99	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	9.5	..	84.6
International Internet bandwidth (bit/s per Internet user)	1,413	84,617	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.8	10.0
Mobile-cellular sub-basket (\$ a month)	..	16.5	16.0
Fixed-broadband sub-basket (\$ a month)	..	18.4	18.2
Trade			
ICT goods exports (% of total goods exports)	..	0.2	13.9
ICT goods imports (% of total goods imports)	..	3.3	13.5
ICT service exports (% of total service exports)	9.4	8.2	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.43	0.51	0.46
Secure Internet servers (per million people)	..	28.4	19.9

Morocco

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	30	32	2,533
Urban population (% of total)	55	57	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,960	2,970	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.0	4.7	6.2
Adult literacy rate (% ages 15 and older)	52	56	71
Gross primary, secondary, tertiary school enrollment (%)	59	63	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.6	2.5
Telecommunications investment (% of revenue)	17.0	16.2	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.4	11.0	5.6
Mobile-cellular telephone subscriptions (per 100 people)	40.8	113.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	1.83	1.25
Households with a computer (%)	17.2 ^a	39.0	10.7
Households with Internet access at home (%)	..	35.3	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	12.7	9.8	6.5
Domestic mobile traffic (minutes/subscriber/month)	7.8	52.1	..
Individuals using the Internet (%)	15.1	51.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	98	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0	99.6	58.8
International Internet bandwidth (bit/s per Internet user)	1,549	7,558	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.3	5.1
Mobile-cellular sub-basket (\$ a month)	..	22.2	11.3
Fixed-broadband sub-basket (\$ a month)	..	11.7	21.6
Trade			
ICT goods exports (% of total goods exports)	6.0	3.8	5.7
ICT goods imports (% of total goods imports)	7.0	5.9	6.7
ICT service exports (% of total service exports)	17.0	20.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.54	0.32
Secure Internet servers (per million people)	0.7	3.8	3.5

Mozambique

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	21	24	817
Urban population (% of total)	30	31	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	460	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.5	6.8	5.8
Adult literacy rate (% ages 15 and older)	48	56	63
Gross primary, secondary, tertiary school enrollment (%)	52	62	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	3.9	..
Telecommunications investment (% of revenue)	24.6	8.2	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.4	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.2	32.8	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.07	0.12
Households with a computer (%)	3.8	4.0	..
Households with Internet access at home (%)	0.9	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	2.3	..
Domestic mobile traffic (minutes/subscriber/month)	25.6	47.2	86.3
Individuals using the Internet (%)	0.9 ^a	4.3 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	..	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	100.0	24.5
International Internet bandwidth (bit/s per Internet user)	107 ^a	1,244	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.5	9.6
Mobile-cellular sub-basket (\$ a month)	..	15.4	11.9
Fixed-broadband sub-basket (\$ a month)	..	49.7	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	..
ICT goods imports (% of total goods imports)	4.5	1.5	..
ICT service exports (% of total service exports)	20.6	21.1	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.26	0.37	0.20
Secure Internet servers (per million people)	0.1	1.4	0.8

Myanmar

East Asia & Pacific

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	46	48	817
Urban population (% of total)	29	33	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.8	..	5.8
Adult literacy rate (% ages 15 and older)	90	92	63
Gross primary, secondary, tertiary school enrollment (%)	57	..	58
Sector structure			
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	M	M	
Internet service	P	M	
Foreign ownership (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	8.6	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.1	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.3	2.6	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	15.2	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	0.1	1.0	6.0
Quality			
Population covered by a mobile-cellular network (%)	10	2	..
Fixed (wired)-broadband subscriptions (% of total Internet)	3.8	72.8	24.5
International Internet bandwidth (bit/s per Internet user)	3,111	11,231	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.9	9.6
Mobile-cellular sub-basket (\$ a month)	..	12.8	11.9
Fixed-broadband sub-basket (\$ a month)	..	28.5	42.8
Trade			
ICT goods exports (% of total goods exports)	..	0.0	..
ICT goods imports (% of total goods imports)	..	1.7	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service 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

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,490
Urban population (% of total)	35	38	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,300	4,700	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.4	3.9	6.3
Adult literacy rate (% ages 15 and older)	85	89	94
Gross primary, secondary, tertiary school enrollment (%)	70	..	75
Sector structure			
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	C	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.1	2.7
Telecommunications investment (% of revenue)	7.5	12.0	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.7	6.8	20.9
Mobile-cellular telephone subscriptions (per 100 people)	21.6	96.4	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.80	9.96
Households with a computer (%)	6.9 ^a	13.0 ^a	35.9
Households with Internet access at home (%)	3.0 ^a	10.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.4	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	102.7	144.6
Individuals using the Internet (%)	4.0 ^a	12.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	88	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	0.2	..	84.6
International Internet bandwidth (bit/s per Internet user)	432	2,349	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.1	10.0
Mobile-cellular sub-basket (\$ a month)	..	16.0	16.0
Fixed-broadband sub-basket (\$ a month)	..	118.7	18.2
Trade			
ICT goods exports (% of total goods exports)	0.6	0.6	13.9
ICT goods imports (% of total goods imports)	4.8	3.6	13.5
ICT service exports (% of total service exports)	4.7	27.0	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.34	0.30	0.46
Secure Internet servers (per million people)	6.7	19.0	19.9

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	27	30	817
Urban population (% of total)	15	17	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	290	540	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	4.6	5.8
Adult literacy rate (% ages 15 and older)	49	60	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9	..	..
Telecommunications investment (% of revenue)	26.7	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.8	2.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.8	43.8	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.31	0.12
Households with a computer (%)	1.9	4.2 ^a	..
Households with Internet access at home (%)	..	1.0	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	0.8	9.0	6.0
Quality			
Population covered by a mobile-cellular network (%)	10	35	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	45.5	24.5
International Internet bandwidth (bit/s per Internet user)	210	1,531	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.4	9.6
Mobile-cellular sub-basket (\$ a month)	..	3.2	11.9
Fixed-broadband sub-basket (\$ a month)	..	23.3	42.8
Trade			
ICT goods exports (% of total goods exports)	..	0.2	..
ICT goods imports (% of total goods imports)	4.5	5.3	..
ICT service exports (% of total service exports)	27.2	40.5	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.29	0.20
Secure Internet servers (per million people)	0.4	2.2	0.8

Netherlands

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	16	17	1,135
Urban population (% of total)	80	83	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,880	49,660	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.2	1.0	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	97	100	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.2	2.6
Telecommunications investment (% of revenue)	13.2	14.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	46.6	43.5	47.3
Mobile-cellular telephone subscriptions (per 100 people)	97.1	115.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	25.14	38.74	27.30
Households with a computer (%)	78.0	94.2	77.3
Households with Internet access at home (%)	78.3	93.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	38.8	97.9	184.6
Individuals using the Internet (%)	81.0	92.3	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.2	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	25,333 ^a	162,532 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	32.5	23.8
Mobile-cellular sub-basket (\$ a month)	..	33.2	23.9
Fixed-broadband sub-basket (\$ a month)	..	32.9	26.6
Trade			
ICT goods exports (% of total goods exports)	16.8	11.9	9.6
ICT goods imports (% of total goods imports)	18.7	12.8	11.2
ICT service exports (% of total service exports)	45.5	45.6	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.86	0.96	0.67
Secure Internet servers (per million people)	327.1	2,880.1	1,067.1

New Caledonia

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.23	0.25	1,135
Urban population (% of total)	63	62	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	0.7
Adult literacy rate (% ages 15 and older)	..	96	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	23.9	29.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	58.1	89.2	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	4.15	16.78	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	60.1	..	184.6
Individuals using the Internet (%)	32.4	50.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	75 ^a	89	100
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	1,765	18,421	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	9.6
ICT goods imports (% of total goods imports)	4.6	3.4	11.2
ICT service exports (% of total service exports)	8.6	12.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	68.3	208.7	1,067.1

New Zealand

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	1,135
Urban population (% of total)	86	86	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	24,990	29,140	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	0.3	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	106	108	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	2.4	2.6
Telecommunications investment (% of revenue)	6.1	25.3	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.8	42.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	85.4	109.2	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	7.76	25.82	27.30
Households with a computer (%)	67.8 ^a	83.9 ^a	77.3
Households with Internet access at home (%)	62.1 ^a	79.0 ^a	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	29.5	76.1	184.6
Individuals using the Internet (%)	62.7 ^a	86.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	98	97	100
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	81.4	95.0
International Internet bandwidth (bit/s per Internet user)	1,764 ^a	23,706 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	33.0	23.8
Mobile-cellular sub-basket (\$ a month)	..	47.2	23.9
Fixed-broadband sub-basket (\$ a month)	..	40.5	26.6
Trade			
ICT goods exports (% of total goods exports)	1.7	1.2	9.6
ICT goods imports (% of total goods imports)	9.6	8.0	11.2
ICT service exports (% of total service exports)	14.6	21.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.78	0.67
Secure Internet servers (per million people)	489.9	1,505.2	1,067.1

Nicaragua

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	6	2,533
Urban population (% of total)	56	58	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,170	1,510	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	2.7	6.2
Adult literacy rate (% ages 15 and older)	78	..	71
Gross primary, secondary, tertiary school enrollment (%)	70	..	63
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	..	2.5
Telecommunications investment (% of revenue)	24.0	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.1	4.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	20.6	82.2	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.19	1.45	1.25
Households with a computer (%)	3.8	8.2 ^a	10.7
Households with Internet access at home (%)	0.1	2.0	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	2.6	10.6	16.2
Quality			
Population covered by a mobile-cellular network (%)	70	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	45.0	..	58.8
International Internet bandwidth (bit/s per Internet user)	43 ^a	12,857	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.2	5.1
Mobile-cellular sub-basket (\$ a month)	..	16.7	11.3
Fixed-broadband sub-basket (\$ a month)	..	19.6	21.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	5.7
ICT goods imports (% of total goods imports)	6.1	4.4	6.7
ICT service exports (% of total service exports)	..	18.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.37	0.31	0.32
Secure Internet servers (per million people)	2.0	10.2	3.5

Niger

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	13	16	817
Urban population (% of total)	17	18	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	260	360	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.7	4.5	5.8
Adult literacy rate (% ages 15 and older)	29	..	63
Gross primary, secondary, tertiary school enrollment (%)	25	36	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	4.9	..
Telecommunications investment (% of revenue)	56.5	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.5	29.5	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	0.12
Households with a computer (%)	..	1.5	..
Households with Internet access at home (%)	..	0.1	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	18,471.9	86.3
Individuals using the Internet (%)	0.2	1.3	6.0
Quality			
Population covered by a mobile-cellular network (%)	15	75	..
Fixed (wired)-broadband subscriptions (% of total Internet)	5.9	11.3	24.5
International Internet bandwidth (bit/s per Internet user)	1,043	1,005 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.7	9.6
Mobile-cellular sub-basket (\$ a month)	..	16.6	11.9
Fixed-broadband sub-basket (\$ a month)	..	59.6	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	..
ICT goods imports (% of total goods imports)	3.2	3.7	..
ICT service exports (% of total service exports)	34.3	5.4	18.6
Applications			
Online service 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	2011	2011
Economic and social context			
Population (millions)	140	162	2,533
Urban population (% of total)	46	50	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	1,280	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.6	6.8	6.2
Adult literacy rate (% ages 15 and older)	55	61	71
Gross primary, secondary, tertiary school enrollment (%)	56	..	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	2.6	2.5
Telecommunications investment (% of revenue)	0.4	75.5	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.9	0.4	5.6
Mobile-cellular telephone subscriptions (per 100 people)	13.3	58.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.13	1.25
Households with a computer (%)	5.1	9.3 ^a	10.7
Households with Internet access at home (%)	..	4.6 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.2	4.6	6.5
Domestic mobile traffic (minutes/subscriber/month)	27.4	37.6	..
Individuals using the Internet (%)	3.5	28.4	16.2
Quality			
Population covered by a mobile-cellular network (%)	58	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	44.6	58.8
International Internet bandwidth (bit/s per Internet user)	30	368 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.1	5.1
Mobile-cellular sub-basket (\$ a month)	..	15.9	11.3
Fixed-broadband sub-basket (\$ a month)	..	59.7	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	3.9	3.9	6.7
ICT service exports (% of total service exports)	1.6	2.5	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.22	0.32
Secure Internet servers (per million people)	0.2	1.8	3.5

Northern Mariana Islands

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.07	0.06	1,135
Urban population (% of total)	91	91	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, tertiary school enrollment (%)	94
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6
Telecommunications investment (% of revenue)	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	34.6 ^a	41.9 ^a	47.3
Mobile-cellular telephone subscriptions (per 100 people)	29.9	..	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00 ^a	27.30
Households with a computer (%)	77.3
Households with Internet access at home (%)	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)
Domestic mobile traffic (minutes/subscriber/month)	184.6
Individuals using the Internet (%)	75.8
Quality			
Population covered by a mobile-cellular network (%)	100
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0
International Internet bandwidth (bit/s per Internet user)	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	23.8
Mobile-cellular sub-basket (\$ a month)	23.9
Fixed-broadband sub-basket (\$ a month)	26.6
Trade			
ICT goods exports (% of total goods exports)	9.6
ICT goods imports (% of total goods imports)	11.2
ICT service exports (% of total service exports)	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67
Secure Internet servers (per million people)	77.7	48.3	1,067.1

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	5	1,135
Urban population (% of total)	77	79	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	62,490	88,870	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.1	0.7	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	99	98	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.6	1.2	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.6	31.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	102.8	115.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	21.44	35.44	27.30
Households with a computer (%)	74.0	91.0	77.3
Households with Internet access at home (%)	64.0	92.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	119.3	174.5	184.6
Individuals using the Internet (%)	82.0	94.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	69.8	97.7	95.0
International Internet bandwidth (bit/s per Internet user)	11,349 ^a	151,257 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.8	23.8
Mobile-cellular sub-basket (\$ a month)	..	14.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	49.1	26.6
Trade			
ICT goods exports (% of total goods exports)	1.2	1.0	9.6
ICT goods imports (% of total goods imports)	8.8	6.9	11.2
ICT service exports (% of total service exports)	24.4	37.2	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.89	0.86	0.67
Secure Internet servers (per million people)	308.9	1,924.8	1,067.1

Oman

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	3	1,135
Urban population (% of total)	72	73	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,190	19,260	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	6.0	0.7
Adult literacy rate (% ages 15 and older)	81	87	98
Gross primary, secondary, tertiary school enrollment (%)	72	78	94
Sector structure			
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	P	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.5	2.6
Telecommunications investment (% of revenue)	102.5	12.9	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.9	10.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	54.9	169.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.54	1.85	27.30
Households with a computer (%)	37.2	58.0 ^a	77.3
Households with Internet access at home (%)	15.5 ^a	38.9 ^a	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	18.1	22.9	..
Domestic mobile traffic (minutes/subscriber/month)	99.9	113.4	184.6
Individuals using the Internet (%)	6.7	68.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	92	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.4	59.0	95.0
International Internet bandwidth (bit/s per Internet user)	3,073	6,331	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.1	23.8
Mobile-cellular sub-basket (\$ a month)	..	8.7	23.9
Fixed-broadband sub-basket (\$ a month)	..	25.9	26.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	9.6
ICT goods imports (% of total goods imports)	4.4	2.9	11.2
ICT service exports (% of total service exports)	21.9	15.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.67	0.67
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	2011	2011
Economic and social context			
Population (millions)	159	177	2,533
Urban population (% of total)	34	36	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	710	1,120	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.0	3.7	6.2
Adult literacy rate (% ages 15 and older)	50	55	71
Gross primary, secondary, tertiary school enrollment (%)	40	44	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.0	2.5
Telecommunications investment (% of revenue)	61.0	12.1	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.3	3.2	5.6
Mobile-cellular telephone subscriptions (per 100 people)	8.1	61.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.42	1.25
Households with a computer (%)	8.1	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	4.0	8.3	6.5
Domestic mobile traffic (minutes/subscriber/month)	40.9	107.2	..
Individuals using the Internet (%)	6.3	9.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	36	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.7	25.6	58.8
International Internet bandwidth (bit/s per Internet user)	72	8,172	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.1	5.1
Mobile-cellular sub-basket (\$ a month)	..	3.3	11.3
Fixed-broadband sub-basket (\$ a month)	..	14.2	21.6
Trade			
ICT goods exports (% of total goods exports)	0.5	0.2	5.7
ICT goods imports (% of total goods imports)	8.7	3.6	6.7
ICT service exports (% of total service exports)	17.9	23.4	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.37	0.32
Secure Internet servers (per million people)	0.3	1.3	3.5

Palau

	East Asia & Pacific		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	0.02	0.02	2,490
Urban population (% of total)	78	84	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,770	6,510	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.9	-1.5	6.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.1	33.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	30.4	74.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.50	2.51	9.96
Households with a computer (%)	18.5	..	35.9
Households with Internet access at home (%)	..	19.0	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	50.7	25.9	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	144.6
Individuals using the Internet (%)	27.0	..	38.2
Quality			
Population covered by a mobile-cellular network (%)	30	98	98
Fixed (wired)-broadband subscriptions (% of total Internet)	7.6	39.9	84.6
International Internet bandwidth (bit/s per Internet user)	1,123	..	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	10.0
Mobile-cellular sub-basket (\$ a month)	..	..	16.0
Fixed-broadband sub-basket (\$ a month)	..	..	18.2
Trade			
ICT goods exports (% of total goods exports)	..	..	13.9
ICT goods imports (% of total goods imports)	..	..	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service 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	2011	2011
Economic and social context			
Population (millions)	3	4	2,490
Urban population (% of total)	71	75	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,640	7,470	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.4	8.5	6.3
Adult literacy rate (% ages 15 and older)	92	94	94
Gross primary, secondary, tertiary school enrollment (%)	79	79	75
Sector structure			
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	..	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.3	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.5	15.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	54.0	188.6	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.54	7.92	9.96
Households with a computer (%)	14.6	29.0 ^a	35.9
Households with Internet access at home (%)	8.1	20.7	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	6.7	2.6
Domestic mobile traffic (minutes/subscriber/month)	61.3	63.7	144.6
Individuals using the Internet (%)	11.5	42.7	38.2
Quality			
Population covered by a mobile-cellular network (%)	75	92	98
Fixed (wired)-broadband subscriptions (% of total Internet)	21.3	97.7	84.6
International Internet bandwidth (bit/s per Internet user)	2,490 ^a	44,121	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.8	10.0
Mobile-cellular sub-basket (\$ a month)	..	9.4	16.0
Fixed-broadband sub-basket (\$ a month)	..	14.7	18.2
Trade			
ICT goods exports (% of total goods exports)	0.1	7.9	13.9
ICT goods imports (% of total goods imports)	9.1	8.1	13.5
ICT service exports (% of total service exports)	10.6	6.5	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.46	0.46
Secure Internet servers (per million people)	56.2	144.8	19.9

Papua New Guinea

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	6	7	2,533
Urban population (% of total)	13	13	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	680	1,480	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.6	6.6	6.2
Adult literacy rate (% ages 15 and older)	57	61	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.0	1.9 ^a	5.6
Mobile-cellular telephone subscriptions (per 100 people)	1.2	34.2 ^a	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00 ^a	0.11 ^a	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	1.9	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.7	2.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	58.8
International Internet bandwidth (bit/s per Internet user)	57 ^a	5,703 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.5	5.1
Mobile-cellular sub-basket (\$ a month)	..	23.3	11.3
Fixed-broadband sub-basket (\$ a month)	..	140.2	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	..	5.7
ICT goods imports (% of total goods imports)	3.2	..	6.7
ICT service exports (% of total service exports)	72.8	49.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.21	0.23	0.32
Secure Internet servers (per million people)	0.5	7.5	3.5

Paraguay

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	6	7	2,533
Urban population (% of total)	58	62	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,260	3,020	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.7	5.3	6.2
Adult literacy rate (% ages 15 and older)	95	94	71
Gross primary, secondary, tertiary school enrollment (%)	72	70	63
Sector structure			
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 (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	4.0	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.4	5.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	32.0	99.4	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.92	1.25
Households with a computer (%)	8.7	22.7 ^a	10.7
Households with Internet access at home (%)	1.7	19.3 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	7.2	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	81.6	..
Individuals using the Internet (%)	7.9	23.9 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	94	86
Fixed (wired)-broadband subscriptions (% of total Internet)	9.3	26.6	58.8
International Internet bandwidth (bit/s per Internet user)	738	9,482	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.8	5.1
Mobile-cellular sub-basket (\$ a month)	..	9.7	11.3
Fixed-broadband sub-basket (\$ a month)	..	19.2	21.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	5.7
ICT goods imports (% of total goods imports)	17.4	21.7	6.7
ICT service exports (% of total service exports)	19.7	33.0	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.46	0.32
Secure Internet servers (per million people)	1.4	11.4	3.5

Peru

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	28	29	2,490
Urban population (% of total)	75	77	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,710	5,150	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.3	6.9	6.3
Adult literacy rate (% ages 15 and older)	88	..	94
Gross primary, secondary, tertiary school enrollment (%)	82	83	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.8	2.7
Telecommunications investment (% of revenue)	17.9	21.5	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.7	12.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	20.3	110.4	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.28	4.05	9.96
Households with a computer (%)	8.2	23.0 ^a	35.9
Households with Internet access at home (%)	3.5	14.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.7	9.5	2.6
Domestic mobile traffic (minutes/subscriber/month)	40.5	58.6	144.6
Individuals using the Internet (%)	17.1 ^a	36.5	38.2
Quality			
Population covered by a mobile-cellular network (%)	92	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	42.3	99.4	84.6
International Internet bandwidth (bit/s per Internet user)	2,122	9,319 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.1	10.0
Mobile-cellular sub-basket (\$ a month)	..	42.9	16.0
Fixed-broadband sub-basket (\$ a month)	..	29.6	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	8.4	7.4	13.5
ICT service exports (% of total service exports)	13.9	15.2	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.52	0.46
Secure Internet servers (per million people)	5.3	22.1	19.9

Philippines

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	86	95	2,533
Urban population (% of total)	48	49	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,210	2,210	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	4.6	6.2
Adult literacy rate (% ages 15 and older)	93	95	71
Gross primary, secondary, tertiary school enrollment (%)	78	76	63
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	2.4	2.5
Telecommunications investment (% of revenue)	24.4	24.0	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.9	3.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	40.7	99.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.14 ^a	1.89 ^a	1.25
Households with a computer (%)	6.6 ^a	13.1 ^a	10.7
Households with Internet access at home (%)	..	10.1 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	5.4 ^a	29.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	99	99 ^a	86
Fixed (wired)-broadband subscriptions (% of total Internet)	8.5	34.5	58.8
International Internet bandwidth (bit/s per Internet user)	696 ^a	12,360 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.4	5.1
Mobile-cellular sub-basket (\$ a month)	..	10.1	11.3
Fixed-broadband sub-basket (\$ a month)	..	22.1	21.6
Trade			
ICT goods exports (% of total goods exports)	47.7	22.7	5.7
ICT goods imports (% of total goods imports)	45.8	13.2	6.7
ICT service exports (% of total service exports)	15.9	65.4	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.50	0.32
Secure Internet servers (per million people)	2.5	8.8	3.5

Poland

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	38	39	1,135
Urban population (% of total)	61	61	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	7,270	12,380	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	4.5	0.7
Adult literacy rate (% ages 15 and older)	99	100	98
Gross primary, secondary, tertiary school enrollment (%)	87	89	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.8	2.6
Telecommunications investment (% of revenue)	16.1	16.1	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	31.0	17.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	76.4	131.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	2.48	14.68	27.30
Households with a computer (%)	40.0	71.3	77.3
Households with Internet access at home (%)	30.4	66.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	46.7	104.8	184.6
Individuals using the Internet (%)	38.8	64.9	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	35.2	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	1,443 ^a	40,244 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	20.6	23.8
Mobile-cellular sub-basket (\$ a month)	..	12.6	23.9
Fixed-broadband sub-basket (\$ a month)	..	19.4	26.6
Trade			
ICT goods exports (% of total goods exports)	4.0	7.0	9.6
ICT goods imports (% of total goods imports)	7.9	7.3	11.2
ICT service exports (% of total service exports)	19.6	33.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.61	0.54	0.67
Secure Internet servers (per million people)	22.0	309.7	1,067.1

Portugal

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	11	11	1,135
Urban population (% of total)	58	61	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	18,060	21,370	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7	0.0	0.7
Adult literacy rate (% ages 15 and older)	..	95	98
Gross primary, secondary, tertiary school enrollment (%)	89	97	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	4.2	2.6
Telecommunications investment (% of revenue)	9.9	12.4	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.2	42.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	108.6	115.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	11.05	20.95	27.30
Households with a computer (%)	42.5	63.7	77.3
Households with Internet access at home (%)	31.5	58.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	15.7	..	..
Domestic mobile traffic (minutes/subscriber/month)	80.6	138.2	184.6
Individuals using the Internet (%)	35.0	55.3	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	81.1	98.9	95.0
International Internet bandwidth (bit/s per Internet user)	2,371 ^a	135,332 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.6	23.8
Mobile-cellular sub-basket (\$ a month)	..	23.2	23.9
Fixed-broadband sub-basket (\$ a month)	..	27.6	26.6
Trade			
ICT goods exports (% of total goods exports)	7.8	3.8	9.6
ICT goods imports (% of total goods imports)	8.4	5.0	11.2
ICT service exports (% of total service exports)	16.1	18.6	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.65	0.65	0.67
Secure Internet servers (per million people)	57.4	238.1	1,067.1

Puerto Rico

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	1,135
Urban population (% of total)	98	99	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	14,530	16,560	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	-1.9	0.7
Adult literacy rate (% ages 15 and older)	91	90	98
Gross primary, secondary, tertiary school enrollment (%)	..	83	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.4 ^a	22.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	52.7	83.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	3.13	14.90	27.30
Households with a computer (%)	..	55.0	77.3
Households with Internet access at home (%)	..	50.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	23.4 ^a	48.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	62	68	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	98.2	95.0
International Internet bandwidth (bit/s per Internet user)	2,260 ^a	135,429 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	31.9	113.0	1,067.1

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.82	2	1,135
Urban population (% of total)	97	99	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	62,050	80,440	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.7	16.5	0.7
Adult literacy rate (% ages 15 and older)	89	96	98
Gross primary, secondary, tertiary school enrollment (%)	78	62	94
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	1.1	2.6
Telecommunications investment (% of revenue)	26.3	14.6	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.0	16.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	87.3	123.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	3.12	8.67	27.30
Households with a computer (%)	..	88.3	77.3
Households with Internet access at home (%)	..	83.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	79.1	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	24.7	86.2	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	48.2	96.9	95.0
International Internet bandwidth (bit/s per Internet user)	3,817	22,333	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.1	23.8
Mobile-cellular sub-basket (\$ a month)	..	18.7	23.9
Fixed-broadband sub-basket (\$ a month)	..	54.9	26.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	9.6
ICT goods imports (% of total goods imports)	4.8	4.3	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.74	0.67
Secure Internet servers (per million people)	20.7	149.1	1,067.1

Romania

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	22	21	2,490
Urban population (% of total)	53	53	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,920	8,140	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.8	2.0	6.3
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, tertiary school enrollment (%)	77	84	75
Sector structure			
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 (not allowed, restricted, allowed)	A	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.1	2.7
Telecommunications investment (% of revenue)	23.0	21.0	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.1	21.8	20.9
Mobile-cellular telephone subscriptions (per 100 people)	61.3	109.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.73	15.21	9.96
Households with a computer (%)	24.7 ^a	51.2	35.9
Households with Internet access at home (%)	9.8 ^a	47.4	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	10.2	10.1	2.6
Domestic mobile traffic (minutes/subscriber/month)	57.2	205.2	144.6
Individuals using the Internet (%)	21.5 ^a	44.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	99	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	47.7	100.0	84.6
International Internet bandwidth (bit/s per Internet user)	2,879	126,108	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.5	10.0
Mobile-cellular sub-basket (\$ a month)	..	22.2	16.0
Fixed-broadband sub-basket (\$ a month)	..	9.1	18.2
Trade			
ICT goods exports (% of total goods exports)	2.2	7.8	13.9
ICT goods imports (% of total goods imports)	6.7	8.0	13.5
ICT service exports (% of total service exports)	19.2	35.0	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.54	0.52	0.46
Secure Internet servers (per million people)	5.4	67.2	19.9

Russian Federation

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	143	143	2,490
Urban population (% of total)	73	74	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,460	10,650	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.2	2.9	6.3
Adult literacy rate (% ages 15 and older)	99	100	94
Gross primary, secondary, tertiary school enrollment (%)	82	85	75
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	2.4	2.7
Telecommunications investment (% of revenue)	32.1	19.8	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.9	30.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	83.4	179.3	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	13.14	9.96
Households with a computer (%)	35.0	57.1 ^a	35.9
Households with Internet access at home (%)	25.0	46.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	89.3	144.6
Individuals using the Internet (%)	15.2	49.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	95	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	8.3	96.6	84.6
International Internet bandwidth (bit/s per Internet user)	656 ^a	31,711	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.0	10.0
Mobile-cellular sub-basket (\$ a month)	..	9.2	16.0
Fixed-broadband sub-basket (\$ a month)	..	9.9	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	13.9
ICT goods imports (% of total goods imports)	7.8	7.7	13.5
ICT service exports (% of total service exports)	22.1	32.3	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.66	0.46
Secure Internet servers (per million people)	2.4	38.6	19.9

Rwanda

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	9	11	817
Urban population (% of total)	18	19	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	270	570	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.5	8.2	5.8
Adult literacy rate (% ages 15 and older)	65	71	63
Gross primary, secondary, tertiary school enrollment (%)	56	70	58
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.6	..
Telecommunications investment (% of revenue)	22.7	28.4	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3 ^a	0.4	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.4	40.6	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.03	0.12
Households with a computer (%)	..	1.3	..
Households with Internet access at home (%)	..	3.2 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	12.8	2.5	..
Domestic mobile traffic (minutes/subscriber/month)	11.8	79.4	86.3
Individuals using the Internet (%)	0.6 ^a	7.0	6.0
Quality			
Population covered by a mobile-cellular network (%)	75	97	..
Fixed (wired)-broadband subscriptions (% of total Internet)	40.0	21.8	24.5
International Internet bandwidth (bit/s per Internet user)	1,055	4,414	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.0	9.6
Mobile-cellular sub-basket (\$ a month)	..	14.7	11.9
Fixed-broadband sub-basket (\$ a month)	..	111.7	42.8
Trade			
ICT goods exports (% of total goods exports)	1.2	0.5	..
ICT goods imports (% of total goods imports)	8.4	7.0	..
ICT service exports (% of total service exports)	2.5	3.2	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.34	0.20
Secure Internet servers (per million people)	..	2.0	0.8

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.18	0.18	2,533
Urban population (% of total)	21	20	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,090	3,160	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.9	0.6	6.2
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)	78	..	63
Sector structure			
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 (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.8	19.3 ^a	5.6
Mobile-cellular telephone subscriptions (per 100 people)	13.3	91.4 ^a	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.04 ^a	0.11 ^a	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.4	7.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	58.8
International Internet bandwidth (bit/s per Internet user)	1,489	3,901 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.0	5.1
Mobile-cellular sub-basket (\$ a month)	..	17.6	11.3
Fixed-broadband sub-basket (\$ a month)	..	60.8	21.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.6	5.7
ICT goods imports (% of total goods imports)	2.0	2.8	6.7
ICT service exports (% of total service exports)	10.1	11.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.38	0.28	0.32
Secure Internet servers (per million people)	5.5	27.1	3.5

San Marino

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.03	0.03	1,135
Urban population (% of total)	94	94	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	40,370	50,400	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	3.1	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	86	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	..	2.6
Telecommunications investment (% of revenue)	50.0	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	68.8	58.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	56.6	111.8	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	4.03	20.60	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	50.3	49.6	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	22.2	75.4	95.0
International Internet bandwidth (bit/s per Internet user)	10,178	635,301 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	25.6	23.8
Mobile-cellular sub-basket (\$ a month)	..	23.8	23.9
Fixed-broadband sub-basket (\$ a month)	..	22.2	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.29	0.67
Secure Internet servers (per million people)	363.0	1,721.7	1,067.1

São Tomé and Príncipe

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.15	0.17	2,533
Urban population (% of total)	58	63	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	750	1,350	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	5.8	6.2
Adult literacy rate (% ages 15 and older)	85	89	71
Gross primary, secondary, tertiary school enrollment (%)	66	71	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.1	6.7	2.5
Telecommunications investment (% of revenue)	14.9	69.4	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.7 ^a	4.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	7.8	68.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.42	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	33.2 ^a	8.4	6.5
Domestic mobile traffic (minutes/subscriber/month)	4.6	26.5	..
Individuals using the Internet (%)	13.8 ^a	20.2 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	8	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	76.1	58.8
International Internet bandwidth (bit/s per Internet user)	95	1,472	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.3	5.1
Mobile-cellular sub-basket (\$ a month)	..	12.7	11.3
Fixed-broadband sub-basket (\$ a month)	..	221.3	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.7	5.7
ICT goods imports (% of total goods imports)	3.4	5.8	6.7
ICT service exports (% of total service exports)	13.2	7.9	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.12	0.32
Secure Internet servers (per million people)	12.7	69.8	3.5

Saudi Arabia

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	24	28	1,135
Urban population (% of total)	81	82	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	12,230	17,820	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	3.2	0.7
Adult literacy rate (% ages 15 and older)	83	87	98
Gross primary, secondary, tertiary school enrollment (%)	77	81	94
Sector structure			
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 (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.0	2.6
Telecommunications investment (% of revenue)	21.5	19.9	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.0	16.5	47.3
Mobile-cellular telephone subscriptions (per 100 people)	58.9	191.2	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.28 ^a	5.62	27.30
Households with a computer (%)	..	57.3 ^a	77.3
Households with Internet access at home (%)	..	54.4 ^a	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	29.3	..
Domestic mobile traffic (minutes/subscriber/month)	15.6	102.0	184.6
Individuals using the Internet (%)	12.7	47.5	75.8
Quality			
Population covered by a mobile-cellular network (%)	96	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	5.4	84.3	95.0
International Internet bandwidth (bit/s per Internet user)	393	33,031	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.2	23.8
Mobile-cellular sub-basket (\$ a month)	..	14.1	23.9
Fixed-broadband sub-basket (\$ a month)	..	26.6	26.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	9.6
ICT goods imports (% of total goods imports)	6.5	7.2	11.2
ICT service exports (% of total service exports)	41.5	2.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.80	0.67
Secure Internet servers (per million people)	3.2	29.9	1,067.1

Senegal

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	11	13	2,533
Urban population (% of total)	41	43	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	800	1,070	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	3.4	6.2
Adult literacy rate (% ages 15 and older)	42	50	71
Gross primary, secondary, tertiary school enrollment (%)	43	50	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.8	9.7	2.5
Telecommunications investment (% of revenue)	22.1	8.9	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.5	2.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	15.9	73.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.17	0.73	1.25
Households with a computer (%)	3.7	5.7 ^a	10.7
Households with Internet access at home (%)	0.9	4.5 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	36.4	11.8	6.5
Domestic mobile traffic (minutes/subscriber/month)	42.6	69.7	..
Individuals using the Internet (%)	4.8	17.5	16.2
Quality			
Population covered by a mobile-cellular network (%)	85	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	86.8	100.0	58.8
International Internet bandwidth (bit/s per Internet user)	1,489	2,909	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.3	5.1
Mobile-cellular sub-basket (\$ a month)	..	13.7	11.3
Fixed-broadband sub-basket (\$ a month)	..	36.1	21.6
Trade			
ICT goods exports (% of total goods exports)	0.4	0.4	5.7
ICT goods imports (% of total goods imports)	3.9	2.7	6.7
ICT service exports (% of total service exports)	28.0	33.6	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.25	0.35	0.32
Secure Internet servers (per million people)	0.3	2.2	3.5

Serbia

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	7	2,490
Urban population (% of total)	54	56	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,430	5,690	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.3	1.8	6.3
Adult literacy rate (% ages 15 and older)	96	98	94
Gross primary, secondary, tertiary school enrollment (%)	78	79	75
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	4.7	2.7
Telecommunications investment (% of revenue)	22.9	16.2	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	31.1	37.3	20.9
Mobile-cellular telephone subscriptions (per 100 people)	67.8	125.4	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.41	11.29	9.96
Households with a computer (%)	26.5	50.9 ^a	35.9
Households with Internet access at home (%)	18.5	40.2 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.5	8.5	2.6
Domestic mobile traffic (minutes/subscriber/month)	27.6	77.4	144.6
Individuals using the Internet (%)	26.3 ^a	42.2	38.2
Quality			
Population covered by a mobile-cellular network (%)	96	87	98
Fixed (wired)-broadband subscriptions (% of total Internet)	4.4	94.3	84.6
International Internet bandwidth (bit/s per Internet user)	805	76,761	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.6	10.0
Mobile-cellular sub-basket (\$ a month)	..	9.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	19.8	18.2
Trade			
ICT goods exports (% of total goods exports)	0.5	1.4	13.9
ICT goods imports (% of total goods imports)	5.5	4.3	13.5
ICT service exports (% of total service exports)	36.5	38.5	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.58	0.46
Secure Internet servers (per million people)	5.1	27.2	19.9

Seychelles

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.08	0.09	2,490
Urban population (% of total)	52	54	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,540	11,270	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-1.0	3.8	6.3
Adult literacy rate (% ages 15 and older)	92	92	94
Gross primary, secondary, tertiary school enrollment (%)	85	77	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.4	3.8	2.7
Telecommunications investment (% of revenue)	24.9	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.6	32.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	70.4	145.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.14	10.36	9.96
Households with a computer (%)	20.0	45.0 ^a	35.9
Households with Internet access at home (%)	10.0	34.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	9.3	7.8	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	144.6
Individuals using the Internet (%)	25.4	43.2 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	98	98	98
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	85.2	84.6
International Internet bandwidth (bit/s per Internet user)	1,107	5,867	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.4	10.0
Mobile-cellular sub-basket (\$ a month)	..	17.4	16.0
Fixed-broadband sub-basket (\$ a month)	..	41.8	18.2
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	13.9
ICT goods imports (% of total goods imports)	1.5	2.1	13.5
ICT service exports (% of total service exports)	4.9	24.0	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.33	0.46
Secure Internet servers (per million people)	482.5	1,170.1	19.9

Sierra Leone

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	6	817
Urban population (% of total)	37	39	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	310	460	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	9.0	5.3	5.8
Adult literacy rate (% ages 15 and older)	35	42	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.5 ^a	0.2	1.1
Mobile-cellular telephone subscriptions (per 100 people)	14.2 ^a	35.6 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	..	0.12
Households with a computer (%)	0.8	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	0.2	0.3 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	70	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	24.5
International Internet bandwidth (bit/s per Internet user)	..	..	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	0.2	49.8	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.15	0.17	0.20
Secure Internet servers (per million people)	0.7	0.8	0.8

Singapore

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	5	1,135
Urban population (% of total)	100	100	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	27,240	42,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	5.7	0.7
Adult literacy rate (% ages 15 and older)	93	96	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.7	2.6
Telecommunications investment (% of revenue)	12.6	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	43.2	38.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	102.8	150.2	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	15.38	25.63	27.30
Households with a computer (%)	74.0 ^a	86.1	77.3
Households with Internet access at home (%)	66.0	84.8	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	75.2	91.1	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	61.0	71.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	29.1	95.9	95.0
International Internet bandwidth (bit/s per Internet user)	32,621	343,728	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.2	23.8
Mobile-cellular sub-basket (\$ a month)	..	8.1	23.9
Fixed-broadband sub-basket (\$ a month)	..	26.2	26.6
Trade			
ICT goods exports (% of total goods exports)	45.5	28.9	9.6
ICT goods imports (% of total goods imports)	37.9	23.5	11.2
ICT service exports (% of total service exports)	22.3	22.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.70	1.00	0.67
Secure Internet servers (per million people)	275.4	651.6	1,067.1

Sint Maarten (Dutch part)

High income

	Country data	High-income group	
Economic and social context			
Population (millions)	0.04	0.04	1,135
Urban population (% of total)	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, tertiary school enrollment (%)	94
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6
Telecommunications investment (% of revenue)	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	47.3
Mobile-cellular telephone subscriptions (per 100 people)	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	27.30
Households with a computer (%)	77.3
Households with Internet access at home (%)	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)
Domestic mobile traffic (minutes/subscriber/month)	184.6
Individuals using the Internet (%)	75.8
Quality			
Population covered by a mobile-cellular network (%)	100
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0
International Internet bandwidth (bit/s per Internet user)	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	23.8
Mobile-cellular sub-basket (\$ a month)	23.9
Fixed-broadband sub-basket (\$ a month)	26.6
Trade			
ICT goods exports (% of total goods exports)	9.6
ICT goods imports (% of total goods imports)	11.2
ICT service exports (% of total service exports)	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67
Secure Internet servers (per million people)	1,067.1

Slovak Republic

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	5	1,135
Urban population (% of total)	56	55	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	11,040	16,190	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.9	3.9	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	76	80	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.8	2.6
Telecommunications investment (% of revenue)	22.6	19.2	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	22.1	19.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	83.8	109.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	3.35	13.65	27.30
Households with a computer (%)	47.0	75.4	77.3
Households with Internet access at home (%)	23.0	70.8	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	12.4	11.2	..
Domestic mobile traffic (minutes/subscriber/month)	86.4	113.8	184.6
Individuals using the Internet (%)	55.2	74.4	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	61.7	95.8	95.0
International Internet bandwidth (bit/s per Internet user)	4,751	12,276	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	17.9	23.8
Mobile-cellular sub-basket (\$ a month)	..	38.5	23.9
Fixed-broadband sub-basket (\$ a month)	..	26.1	26.6
Trade			
ICT goods exports (% of total goods exports)	9.4	16.1	9.6
ICT goods imports (% of total goods imports)	8.3	11.5	11.2
ICT service exports (% of total service exports)	24.2	25.2	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.59	0.50	0.67
Secure Internet servers (per million people)	18.4	221.0	1,067.1

Slovenia

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	1,135
Urban population (% of total)	50	50	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	18,070	23,600	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.6	1.0	0.7
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, tertiary school enrollment (%)	91	95	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	2.5	2.6
Telecommunications investment (% of revenue)	23.8	13.6	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	50.9	42.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	87.9	106.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	9.82	24.34	27.30
Households with a computer (%)	61.0	74.4	77.3
Households with Internet access at home (%)	48.2	72.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	11.6	10.6	..
Domestic mobile traffic (minutes/subscriber/month)	109.4	138.6	184.6
Individuals using the Internet (%)	46.8	72.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.4	99.2	95.0
International Internet bandwidth (bit/s per Internet user)	2,678 ^a	68,250 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	17.7	23.8
Mobile-cellular sub-basket (\$ a month)	..	23.9	23.9
Fixed-broadband sub-basket (\$ a month)	..	34.2	26.6
Trade			
ICT goods exports (% of total goods exports)	1.3	1.9	9.6
ICT goods imports (% of total goods imports)	4.3	4.0	11.2
ICT service exports (% of total service exports)	20.4	22.3	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67	0.67	0.67
Secure Internet servers (per million people)	79.0	567.1	1,067.1

Solomon Islands

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.47	0.55	2,533
Urban population (% of total)	18	20	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	890	1,110	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.6	6.1	6.2
Adult literacy rate (% ages 15 and older)	..	..	71
Gross primary, secondary, tertiary school enrollment (%)	51	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.5	5.6
Mobile-cellular telephone subscriptions (per 100 people)	1.3	49.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.10	0.44	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	0.8	6.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	23.7	..	58.8
International Internet bandwidth (bit/s per Internet user)	2,042	3,893	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.1
Mobile-cellular sub-basket (\$ a month)	..	..	11.3
Fixed-broadband sub-basket (\$ a month)	..	..	21.6
Trade			
ICT goods exports (% of total goods exports)	..	0.1	5.7
ICT goods imports (% of total goods imports)	..	3.5	6.7
ICT service exports (% of total service exports)	57.5	4.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.13	0.32
Secure Internet servers (per million people)	4.3	8.8	3.5

Somalia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	8	10	817
Urban population (% of total)	35	38	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	5.8
Adult literacy rate (% ages 15 and older)	..	..	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.2 ^a	1.1 ^a	1.1
Mobile-cellular telephone subscriptions (per 100 people)	6.0	6.9 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	86.3
Individuals using the Internet (%)	1.1 ^a	1.3 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	..	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	..	24.5
International Internet bandwidth (bit/s per Internet user)	33	..	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	9.6
Mobile-cellular sub-basket (\$ a month)	..	..	11.9
Fixed-broadband sub-basket (\$ a month)	..	..	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.18	0.20
Secure Internet servers (per million people)	0.1	0.1	0.8

South Africa

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	47	51	2,490
Urban population (% of total)	59	62	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,850	6,960	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.8	2.9	6.3
Adult literacy rate (% ages 15 and older)	89	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	4.7	2.7
Telecommunications investment (% of revenue)	13.1	10.7	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.9	8.2 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	71.1	126.8 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.35	1.80 ^a	9.96
Households with a computer (%)	13.0 ^a	18.3 ^a	35.9
Households with Internet access at home (%)	4.8	9.8	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	144.6
Individuals using the Internet (%)	7.5	21.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	96	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	1.7	..	84.6
International Internet bandwidth (bit/s per Internet user)	246	18,874 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.2	10.0
Mobile-cellular sub-basket (\$ a month)	..	22.3	16.0
Fixed-broadband sub-basket (\$ a month)	..	27.4	18.2
Trade			
ICT goods exports (% of total goods exports)	1.2	0.8	13.9
ICT goods imports (% of total goods imports)	11.1	8.4	13.5
ICT service exports (% of total service exports)	9.9	11.8	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.46	0.46
Secure Internet servers (per million people)	20.4	84.6	19.9

South Sudan

Sub-Saharan Africa	Lower middle income		
	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	8	10	2,533
Urban population (% of total)	17	18	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	3.6	6.2
Adult literacy rate (% ages 15 and older)	71
Gross primary, secondary, tertiary school enrollment (%)	63
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5
Telecommunications investment (% of revenue)	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.6
Mobile-cellular telephone subscriptions (per 100 people)	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.25
Households with a computer (%)	10.7
Households with Internet access at home (%)	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.5
Domestic mobile traffic (minutes/subscriber/month)
Individuals using the Internet (%)	16.2
Quality			
Population covered by a mobile-cellular network (%)	86
Fixed (wired)-broadband subscriptions (% of total Internet)	58.8
International Internet bandwidth (bit/s per Internet user)	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	5.1
Mobile-cellular sub-basket (\$ a month)	11.3
Fixed-broadband sub-basket (\$ a month)	21.6
Trade			
ICT goods exports (% of total goods exports)	5.7
ICT goods imports (% of total goods imports)	6.7
ICT service exports (% of total service exports)	43.4
Applications			
Online service index (0-1, 1=highest presence)	..	0.14	0.32
Secure Internet servers (per million people)	3.5

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	43	46	1,135
Urban population (% of total)	77	77	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	25,450	30,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	0.4	0.7
Adult literacy rate (% ages 15 and older)	98	98	98
Gross primary, secondary, tertiary school enrollment (%)	96	103	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	2.6	2.6
Telecommunications investment (% of revenue)	19.6	13.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	44.8	42.8	47.3
Mobile-cellular telephone subscriptions (per 100 people)	98.4	113.2	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	11.60	23.78	27.30
Households with a computer (%)	55.0	71.5	77.3
Households with Internet access at home (%)	35.5	63.9	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	93.1	109.3	184.6
Individuals using the Internet (%)	47.9	67.6	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	80.8	99.5	95.0
International Internet bandwidth (bit/s per Internet user)	5,798 ^a	64,069 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	31.1	23.8
Mobile-cellular sub-basket (\$ a month)	..	47.2	23.9
Fixed-broadband sub-basket (\$ a month)	..	30.9	26.6
Trade			
ICT goods exports (% of total goods exports)	3.7	1.5	9.6
ICT goods imports (% of total goods imports)	7.2	5.2	11.2
ICT service exports (% of total service exports)	23.3	29.8	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.76	0.67
Secure Internet servers (per million people)	81.7	295.9	1,067.1

Sri Lanka

South Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	20	21	2,533
Urban population (% of total)	15	15	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,210	2,580	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.3	6.4	6.2
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)	..	77	63
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	..	2.5
Telecommunications investment (% of revenue)	12.2	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.3	17.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	16.9	87.0	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.11 ^a	1.71	1.25
Households with a computer (%)	8.2	12.3 ^a	10.7
Households with Internet access at home (%)	2.4	5.9 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	74.7	89.5	..
Individuals using the Internet (%)	1.8 ^a	15.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	85	98	86
Fixed (wired)-broadband subscriptions (% of total Internet)	18.3	76.6	58.8
International Internet bandwidth (bit/s per Internet user)	1,403	5,224	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.4	5.1
Mobile-cellular sub-basket (\$ a month)	..	1.1	11.3
Fixed-broadband sub-basket (\$ a month)	..	5.5	21.6
Trade			
ICT goods exports (% of total goods exports)	1.1	0.4	5.7
ICT goods imports (% of total goods imports)	4.9	3.5	6.7
ICT service exports (% of total service exports)	20.4	22.9	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.38	0.32
Secure Internet servers (per million people)	1.8	7.3	3.5

St. Kitts and Nevis

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.05	0.05	1,135
Urban population (% of total)	32	32	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,890	12,610	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	0.2	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	75	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4	6.9	2.6
Telecommunications investment (% of revenue)	25.3	7.9	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.3	37.8	47.3
Mobile-cellular telephone subscriptions (per 100 people)	103.7	152.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.22	27.86	27.30
Households with a computer (%)	35.1 ^a	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	58.2	63.5	..
Domestic mobile traffic (minutes/subscriber/month)	102.1	32.3	184.6
Individuals using the Internet (%)	34.0 ^a	76.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	95.0
International Internet bandwidth (bit/s per Internet user)	..	67,796 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.6	23.8
Mobile-cellular sub-basket (\$ a month)	..	15.1	23.9
Fixed-broadband sub-basket (\$ a month)	..	36.7	26.6
Trade			
ICT goods exports (% of total goods exports)	2.4	22.5	9.6
ICT goods imports (% of total goods imports)	8.3	5.9	11.2
ICT service exports (% of total service exports)	14.0	14.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.18	0.67
Secure Internet servers (per million people)	1,016.8	1,918.2	1,067.1

St. Lucia

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.16	0.18	2,490
Urban population (% of total)	23	18	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	5,140	6,820	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.0	2.6	6.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	72	75	75
Sector structure			
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	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	6.7	2.7
Telecommunications investment (% of revenue)	9.4	8.4	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	23.6	20.4	20.9
Mobile-cellular telephone subscriptions (per 100 people)	63.9	123.0	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	4.24 ^a	12.12	9.96
Households with a computer (%)	..	..	35.9
Households with Internet access at home (%)	..	..	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	53.5	28.7	2.6
Domestic mobile traffic (minutes/subscriber/month)	64.7	80.4	144.6
Individuals using the Internet (%)	21.6	42.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	80	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	91.2	98.5	84.6
International Internet bandwidth (bit/s per Internet user)	..	81,149 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.6	10.0
Mobile-cellular sub-basket (\$ a month)	..	21.2	16.0
Fixed-broadband sub-basket (\$ a month)	..	29.3	18.2
Trade			
ICT goods exports (% of total goods exports)	4.8	4.2	13.9
ICT goods imports (% of total goods imports)	5.5	3.9	13.5
ICT service exports (% of total service exports)	5.9	8.6	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.35	0.46
Secure Internet servers (per million people)	36.5	95.6	19.9

St. Martin (French part)

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.03	0.03	1,135
Urban population (% of total)	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, tertiary school enrollment (%)	94
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6
Telecommunications investment (% of revenue)	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	47.3
Mobile-cellular telephone subscriptions (per 100 people)	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	27.30
Households with a computer (%)	77.3
Households with Internet access at home (%)	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)
Domestic mobile traffic (minutes/subscriber/month)	184.6
Individuals using the Internet (%)	75.8
Quality			
Population covered by a mobile-cellular network (%)	100
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0
International Internet bandwidth (bit/s per Internet user)	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	23.8
Mobile-cellular sub-basket (\$ a month)	23.9
Fixed-broadband sub-basket (\$ a month)	26.6
Trade			
ICT goods exports (% of total goods exports)	9.6
ICT goods imports (% of total goods imports)	11.2
ICT service exports (% of total service exports)	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67
Secure Internet servers (per million people)	..	32.3	1,067.1

St. Vincent and Grenadines

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.11	0.11	2,490
Urban population (% of total)	47	49	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,960	6,070	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.9	0.7	6.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	78	..	75
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.3	7.9	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.7	20.8	20.9
Mobile-cellular telephone subscriptions (per 100 people)	64.9	120.5	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	3.35	12.89	9.96
Households with a computer (%)	16.8 ^a	47.0	35.9
Households with Internet access at home (%)	14.1 ^a	34.0	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	58.9	34.7	2.6
Domestic mobile traffic (minutes/subscriber/month)	49.4	82.2	144.6
Individuals using the Internet (%)	9.2	43.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	99.1	84.6
International Internet bandwidth (bit/s per Internet user)	1,719,237	637,784	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.9	10.0
Mobile-cellular sub-basket (\$ a month)	..	16.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	33.6	18.2
Trade			
ICT goods exports (% of total goods exports)	1.4	0.7	13.9
ICT goods imports (% of total goods imports)	6.4	3.6	13.5
ICT service exports (% of total service exports)	24.8	26.1	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.43	0.31	0.46
Secure Internet servers (per million people)	101.1	173.7	19.9

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions) ^b	31	34	2,533
Urban population (% of total) ^b	33	33	39
GNI per capita, <i>World Bank Atlas</i> method (\$) ^c	600	1,310	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %) ^c	6.0	7.2	6.2
Adult literacy rate (% ages 15 and older)	61	71	71
Gross primary, secondary, tertiary school enrollment (%)	35	..	63
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.1	2.5
Telecommunications investment (% of revenue)	384.0	348.1	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.5	1.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	4.8 ^a	56.1	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.6	5.6	6.5
Domestic mobile traffic (minutes/subscriber/month)	81.1	120.9	..
Individuals using the Internet (%)	1.3	19.0 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	34	87	86
Fixed (wired)-broadband subscriptions (% of total Internet)	4.7	53.9	58.8
International Internet bandwidth (bit/s per Internet user)	407	1,568	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.0	5.1
Mobile-cellular sub-basket (\$ a month)	..	6.1	11.3
Fixed-broadband sub-basket (\$ a month)	..	29.0	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	4.2	3.3	6.7
ICT service exports (% of total service exports)	2.1	6.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.25	0.32
Secure Internet servers (per million people)	0.0	0.0	3.5

Suriname

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.50	0.53	2,490
Urban population (% of total)	67	70	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,320	7,840	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.9	4.1	6.3
Adult literacy rate (% ages 15 and older)	90	95	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	..	2.7
Telecommunications investment (% of revenue)	32.4	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.2	15.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	46.6	178.9 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.22	4.57	9.96
Households with a computer (%)	17.3 ^a	32.3	35.9
Households with Internet access at home (%)	6.3	17.5	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	43.0	67.6	144.6
Individuals using the Internet (%)	6.4	32.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	..	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	15.9	100.0	84.6
International Internet bandwidth (bit/s per Internet user)	1,408	10,035	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.5	10.0
Mobile-cellular sub-basket (\$ a month)	..	14.3	16.0
Fixed-broadband sub-basket (\$ a month)	..	42.1	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	3.3	2.8	13.5
ICT service exports (% of total service exports)	..	44.2	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.16	0.46
Secure Internet servers (per million people)	10.0	43.1	19.9

Swaziland

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	1	1	2,533
Urban population (% of total)	22	21	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,600	3,470	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	2.2	6.2
Adult literacy rate (% ages 15 and older)	82	87	71
Gross primary, secondary, tertiary school enrollment (%)	61	67	63
Sector structure			
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	C	P	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	12.4	4.4	2.5
Telecommunications investment (% of revenue)	13.2	6.8	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.0	6.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	18.1	63.7	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.23	1.25
Households with a computer (%)	..	10.7 ^a	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	43.5	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	44.2	..
Individuals using the Internet (%)	3.7 ^a	18.1	16.2
Quality			
Population covered by a mobile-cellular network (%)	90	95	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	59.1	58.8
International Internet bandwidth (bit/s per Internet user)	24 ^a	2,347	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.0	5.1
Mobile-cellular sub-basket (\$ a month)	..	24.3	11.3
Fixed-broadband sub-basket (\$ a month)	..	874.6	21.6
Trade			
ICT goods exports (% of total goods exports)	0.2	..	5.7
ICT goods imports (% of total goods imports)	2.2	..	6.7
ICT service exports (% of total service exports)	15.6	29.0	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.14	0.32
Secure Internet servers (per million people)	2.0	8.2	3.5

Sweden

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	9	9	1,135
Urban population (% of total)	84	85	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	42,920	53,170	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	1.3	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	95	93	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	1.6	2.6
Telecommunications investment (% of revenue)	17.8	13.3	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	62.4	48.7	47.3
Mobile-cellular telephone subscriptions (per 100 people)	100.8	118.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	27.93	31.77	27.30
Households with a computer (%)	80.0	91.6	77.3
Households with Internet access at home (%)	72.5	90.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	90.8	124.3	184.6
Individuals using the Internet (%)	84.8	91.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.7	92.4	95.0
International Internet bandwidth (bit/s per Internet user)	20,580 ^a	244,440 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	25.5	23.8
Mobile-cellular sub-basket (\$ a month)	..	14.4	23.9
Fixed-broadband sub-basket (\$ a month)	..	33.1	26.6
Trade			
ICT goods exports (% of total goods exports)	11.2	9.3	9.6
ICT goods imports (% of total goods imports)	11.1	10.6	11.2
ICT service exports (% of total service exports)	46.2	51.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.92	0.84	0.67
Secure Internet servers (per million people)	331.2	1,535.1	1,067.1

Switzerland

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	8	1,135
Urban population (% of total)	73	74	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	58,530	76,350	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.2	1.9	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	85	87	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	2.9	2.6
Telecommunications investment (% of revenue)	12.6	13.7	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	69.5	59.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	92.2	131.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	22.51	39.96	27.30
Households with a computer (%)	76.5	86.9 ^a	77.3
Households with Internet access at home (%)	67.0 ^a	85.0 ^a	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	57.6	88.9	184.6
Individuals using the Internet (%)	70.1	85.2	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	64.6	97.7	95.0
International Internet bandwidth (bit/s per Internet user)	13,749 ^a	167,636 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	31.6	23.8
Mobile-cellular sub-basket (\$ a month)	..	45.2	23.9
Fixed-broadband sub-basket (\$ a month)	..	32.7	26.6
Trade			
ICT goods exports (% of total goods exports)	2.6	1.5	9.6
ICT goods imports (% of total goods imports)	7.4	5.6	11.2
ICT service exports (% of total service exports)	26.9	32.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.76	0.67	0.67
Secure Internet servers (per million people)	472.8	2,378.5	1,067.1

Syrian Arab Republic

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	18	21	2,533
Urban population (% of total)	54	56	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,500	2,750	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	5.0	6.2
Adult literacy rate (% ages 15 and older)	81	83	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	63
Sector structure			
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 (not allowed, restricted, allowed)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.9	2.5
Telecommunications investment (% of revenue)	7.5	15.4	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	15.7	20.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	16.0	63.2	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01 ^a	0.58	1.25
Households with a computer (%)	28.0	40.4 ^a	10.7
Households with Internet access at home (%)	26.0	35.2 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.6	11.7	6.5
Domestic mobile traffic (minutes/subscriber/month)	130.2	0.1	..
Individuals using the Internet (%)	5.6	22.5	16.2
Quality			
Population covered by a mobile-cellular network (%)	92	98	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.3	7.1	58.8
International Internet bandwidth (bit/s per Internet user)	328 ^a	3,489	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.3	5.1
Mobile-cellular sub-basket (\$ a month)	..	21.3	11.3
Fixed-broadband sub-basket (\$ a month)	..	21.6	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	3.3	2.2	6.7
ICT service exports (% of total service exports)	9.3	2.5	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.36	0.23	0.32
Secure Internet servers (per million people)	0.1	0.3	3.5

Tajikistan

Europe & Central Asia

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	6	7	817
Urban population (% of total)	26	27	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	340	870	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	10.1	8.9	5.8
Adult literacy rate (% ages 15 and older)	99	100	63
Gross primary, secondary, tertiary school enrollment (%)	72	71	58
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	..	..
Telecommunications investment (% of revenue)	71.4	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.3	5.4 ^a	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.1	90.6 ^a	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.06	0.07 ^a	0.12
Households with a computer (%)	..	..	..
Households with Internet access at home (%)	..	..	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	7.3	..	86.3
Individuals using the Internet (%)	0.3	13.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	..	..	..
Fixed (wired)-broadband subscriptions (% of total Internet)	2.2	..	24.5
International Internet bandwidth (bit/s per Internet user)	104 ^a	..	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.9	9.6
Mobile-cellular sub-basket (\$ a month)	..	8.5	11.9
Fixed-broadband sub-basket (\$ a month)	..	362.5	42.8
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	..
ICT service exports (% of total service exports)	19.2	48.5	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.24	0.20
Secure Internet servers (per million people)	..	1.0	0.8

Tanzania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	39	46	817
Urban population (% of total)	24	27	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	380	540	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.1	6.8	5.8
Adult literacy rate (% ages 15 and older)	69	73	63
Gross primary, secondary, tertiary school enrollment (%)	..	58	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.4	0.3	1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.6	55.5	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01 ^a	0.12
Households with a computer (%)	2.0	4.0 ^a	..
Households with Internet access at home (%)	0.5 ^a	4.5 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.2	1.2	..
Domestic mobile traffic (minutes/subscriber/month)	7.1	56.7	86.3
Individuals using the Internet (%)	4.3 ^a	12.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	45	85	..
Fixed (wired)-broadband subscriptions (% of total Internet)	1.6	0.6	24.5
International Internet bandwidth (bit/s per Internet user)	60 ^a	902 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.2	9.6
Mobile-cellular sub-basket (\$ a month)	..	10.1	11.9
Fixed-broadband sub-basket (\$ a month)	..	31.3	42.8
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	..
ICT goods imports (% of total goods imports)	5.8	3.7	..
ICT service exports (% of total service exports)	10.1	13.5	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.35	0.20
Secure Internet servers (per million people)	0.1	0.8	0.8

Thailand

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	67	70	2,490
Urban population (% of total)	32	34	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,560	4,440	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	2.8	6.3
Adult literacy rate (% ages 15 and older)	94	..	94
Gross primary, secondary, tertiary school enrollment (%)	72	72	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.5	2.7
Telecommunications investment (% of revenue)	10.0	9.3	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.5	9.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	45.7	111.6	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.83	5.03	9.96
Households with a computer (%)	..	24.7	35.9
Households with Internet access at home (%)	7.2 ^a	13.4	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	1.7	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	96.5	144.6
Individuals using the Internet (%)	15.0	23.7	38.2
Quality			
Population covered by a mobile-cellular network (%)	26	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	99.6	90.9	84.6
International Internet bandwidth (bit/s per Internet user)	679	24,634	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.0	10.0
Mobile-cellular sub-basket (\$ a month)	..	8.7	16.0
Fixed-broadband sub-basket (\$ a month)	..	20.2	18.2
Trade			
ICT goods exports (% of total goods exports)	23.4	15.6	13.9
ICT goods imports (% of total goods imports)	17.4	11.9	13.5
ICT service exports (% of total service exports)	25.7	17.1	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.51	0.46
Secure Internet servers (per million people)	4.7	19.1	19.9

Timor-Leste

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	1	1	2,533
Urban population (% of total)	26	28	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	740	2,730	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.5	10.3	6.2
Adult literacy rate (% ages 15 and older)	51	58	71
Gross primary, secondary, tertiary school enrollment (%)	67	71	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	6.2	2.5
Telecommunications investment (% of revenue)	16.9	28.6	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	3.3	53.2	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.05	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	20.0	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	70.6	36.8	..
Individuals using the Internet (%)	0.1	0.9	16.2
Quality			
Population covered by a mobile-cellular network (%)	50	69	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.4	42.9	58.8
International Internet bandwidth (bit/s per Internet user)	4,997	17,141	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	17.2	5.1
Mobile-cellular sub-basket (\$ a month)	..	16.6	11.3
Fixed-broadband sub-basket (\$ a month)	..	99.0	21.6
Trade			
ICT goods exports (% of total goods exports)	5.2	..	5.7
ICT goods imports (% of total goods imports)	3.4	..	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.25	0.22	0.32
Secure Internet servers (per million people)	1.0	2.6	3.5

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	6	817
Urban population (% of total)	35	38	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	370	570	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.5	3.3	5.8
Adult literacy rate (% ages 15 and older)	57	57	63
Gross primary, secondary, tertiary school enrollment (%)	63	76	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	9.4	..
Telecommunications investment (% of revenue)	34.7	15.3	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.2	3.9 ^a	1.1
Mobile-cellular telephone subscriptions (per 100 people)	8.0	50.4	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.08 ^a	0.12
Households with a computer (%)	..	3.7 ^a	..
Households with Internet access at home (%)	..	1.1	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	22.5	8.5	..
Domestic mobile traffic (minutes/subscriber/month)	22.0	22.2	86.3
Individuals using the Internet (%)	1.8 ^a	3.5 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	85	75	..
Fixed (wired)-broadband subscriptions (% of total Internet)	1.9	6.2	24.5
International Internet bandwidth (bit/s per Internet user)	146	6,443	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.7	9.6
Mobile-cellular sub-basket (\$ a month)	..	19.6	11.9
Fixed-broadband sub-basket (\$ a month)	..	165.6	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	..
ICT goods imports (% of total goods imports)	3.9	4.5	..
ICT service exports (% of total service exports)	23.8	23.2	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.14	0.20
Secure Internet servers (per million people)	0.4	3.5	0.8

Tonga

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.10	0.10	2,533
Urban population (% of total)	23	23	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	2,550	3,820	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.4	0.9	6.2
Adult literacy rate (% ages 15 and older)	99	..	71
Gross primary, secondary, tertiary school enrollment (%)	89	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.6	28.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	29.6 ^a	52.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.64	1.24	1.25
Households with a computer (%)	..	..	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	4.9 ^a	25.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	70	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	37.0	16.2	58.8
International Internet bandwidth (bit/s per Internet user)	404 ^a	3,827	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.4	5.1
Mobile-cellular sub-basket (\$ a month)	..	11.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	62.3	21.6
Trade			
ICT goods exports (% of total goods exports)	..	0.0	5.7
ICT goods imports (% of total goods imports)	2.8	6.4	6.7
ICT service exports (% of total service exports)	16.3	14.8	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.40	0.24	0.32
Secure Internet servers (per million people)	9.8	28.6	3.5

Trinidad and Tobago

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	1	1	1,135
Urban population (% of total)	12	14	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	10,910	15,840	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.7	1.6	0.7
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	64	..	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.7	2.6
Telecommunications investment (% of revenue)	..	692.1	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.5	21.7	47.3
Mobile-cellular telephone subscriptions (per 100 people)	70.3	135.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	11.51	27.30
Households with a computer (%)	31.0	53.1 ^a	77.3
Households with Internet access at home (%)	17.0	18.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	27.0	20.9	..
Domestic mobile traffic (minutes/subscriber/month)	272.8	223.7	184.6
Individuals using the Internet (%)	29.0 ^a	55.2	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	16.6	98.6	95.0
International Internet bandwidth (bit/s per Internet user)	1,286	19,753	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.5	23.8
Mobile-cellular sub-basket (\$ a month)	..	13.7	23.9
Fixed-broadband sub-basket (\$ a month)	..	12.5	26.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	9.6
ICT goods imports (% of total goods imports)	4.0	3.1	11.2
ICT service exports (% of total service exports)	8.9	6.5	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.48	0.67
Secure Internet servers (per million people)	21.3	97.7	1,067.1

Tunisia

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	10	11	2,490
Urban population (% of total)	65	66	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,200	4,020	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.5	3.6	6.3
Adult literacy rate (% ages 15 and older)	74	78	94
Gross primary, secondary, tertiary school enrollment (%)	78	80	75
Sector structure			
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 (not allowed, restricted, allowed)	..	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.9	2.7
Telecommunications investment (% of revenue)	21.7	22.9	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.7	11.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	57.3	116.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.18	5.14	9.96
Households with a computer (%)	9.6	19.1	35.9
Households with Internet access at home (%)	3.4	11.4	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.1	5.8	2.6
Domestic mobile traffic (minutes/subscriber/month)	35.5	61.7	144.6
Individuals using the Internet (%)	9.7	39.1	38.2
Quality			
Population covered by a mobile-cellular network (%)	98	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	90.1	84.6
International Internet bandwidth (bit/s per Internet user)	784	14,832	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.8	10.0
Mobile-cellular sub-basket (\$ a month)	..	10.0	16.0
Fixed-broadband sub-basket (\$ a month)	..	10.5	18.2
Trade			
ICT goods exports (% of total goods exports)	2.0	7.4	13.9
ICT goods imports (% of total goods imports)	4.6	6.6	13.5
ICT service exports (% of total service exports)	5.1	10.8	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.48	0.46
Secure Internet servers (per million people)	1.4	13.0	19.9

Turkey

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	68	74	2,490
Urban population (% of total)	67	71	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	6,480	10,410	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.2	3.1	6.3
Adult literacy rate (% ages 15 and older)	88	91	94
Gross primary, secondary, tertiary school enrollment (%)	72	81	75
Sector structure			
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 (not allowed, restricted, allowed)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.2	2.7
Telecommunications investment (% of revenue)	11.0	20.0	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.9	20.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	64.0	88.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.33	10.26	9.96
Households with a computer (%)	12.0	48.5	35.9
Households with Internet access at home (%)	7.7	42.9	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.9	5.6	2.6
Domestic mobile traffic (minutes/subscriber/month)	68.3	187.0	144.6
Individuals using the Internet (%)	15.5	42.1	38.2
Quality			
Population covered by a mobile-cellular network (%)	96	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	70.6	98.7	84.6
International Internet bandwidth (bit/s per Internet user)	2,772	33,938	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.5	10.0
Mobile-cellular sub-basket (\$ a month)	..	33.8	16.0
Fixed-broadband sub-basket (\$ a month)	..	13.8	18.2
Trade			
ICT goods exports (% of total goods exports)	4.4	1.7	13.9
ICT goods imports (% of total goods imports)	6.1	3.8	13.5
ICT service exports (% of total service exports)	2.3	1.7	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.46	0.46
Secure Internet servers (per million people)	18.0	125.8	19.9

Turkmenistan

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	5	2,490
Urban population (% of total)	47	49	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,600	4,800	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.5	10.8	6.3
Adult literacy rate (% ages 15 and older)	..	100	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.4	10.7 ^a	20.9
Mobile-cellular telephone subscriptions (per 100 people)	2.2 ^a	68.8 ^a	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	..	0.02 ^a	9.96
Households with a computer (%)	..	7.0	35.9
Households with Internet access at home (%)	..	4.0	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	144.6
Individuals using the Internet (%)	1.0 ^a	5.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	14	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	84.6
International Internet bandwidth (bit/s per Internet user)	1,605 ^a	1,567 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	10.0
Mobile-cellular sub-basket (\$ a month)	..	..	16.0
Fixed-broadband sub-basket (\$ a month)	..	..	18.2
Trade			
ICT goods exports (% of total goods exports)	..	..	13.9
ICT goods imports (% of total goods imports)	..	..	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.33	0.19	0.46
Secure Internet servers (per million people)	..	0.2	19.9

Turks and Caicos Islands

South Asia

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.03	0.04	1,135
Urban population (% of total)	90	94	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7
Adult literacy rate (% ages 15 and older)	98
Gross primary, secondary, tertiary school enrollment (%)	94
Sector structure			
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 (not allowed, restricted, allowed)	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6
Telecommunications investment (% of revenue)	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	47.3
Mobile-cellular telephone subscriptions (per 100 people)	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	27.30
Households with a computer (%)	77.3
Households with Internet access at home (%)	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)
Domestic mobile traffic (minutes/subscriber/month)	184.6
Individuals using the Internet (%)	75.8
Quality			
Population covered by a mobile-cellular network (%)	100
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0
International Internet bandwidth (bit/s per Internet user)	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	23.8
Mobile-cellular sub-basket (\$ a month)	23.9
Fixed-broadband sub-basket (\$ a month)	26.6
Trade			
ICT goods exports (% of total goods exports)	4.0	1.7	9.6
ICT goods imports (% of total goods imports)	4.6	2.6	11.2
ICT service exports (% of total service exports)	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.67
Secure Internet servers (per million people)	..	402.4	1,067.1

Tuvalu

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.01	0.01	2,490
Urban population (% of total)	48	51	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	3,740	4,950	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.2	2.0	6.3
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	75
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.7
Telecommunications investment (% of revenue)	..	..	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.2	14.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	13.4	21.6	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.55	4.57	9.96
Households with a computer (%)	..	..	35.9
Households with Internet access at home (%)	..	..	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	2.6
Domestic mobile traffic (minutes/subscriber/month)	2.9	..	144.6
Individuals using the Internet (%)	10.0 ^a	30.0 ^a	38.2
Quality			
Population covered by a mobile-cellular network (%)	13	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	28.8	..	84.6
International Internet bandwidth (bit/s per Internet user)	3,073	1,354	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	10.0
Mobile-cellular sub-basket (\$ a month)	..	..	16.0
Fixed-broadband sub-basket (\$ a month)	..	..	18.2
Trade			
ICT goods exports (% of total goods exports)	7.3	..	13.9
ICT goods imports (% of total goods imports)	6.1	2.1	13.5
ICT service exports (% of total service exports)	..	..	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.05	0.46
Secure Internet servers (per million people)	..	102.2	19.9

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	28	35	817
Urban population (% of total)	13	16	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	300	510	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.9	7.8	5.8
Adult literacy rate (% ages 15 and older)	71	73	63
Gross primary, secondary, tertiary school enrollment (%)	65	69	58
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.6	..
Telecommunications investment (% of revenue)	23.4	33.6	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	1.3	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.6	48.4	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.10	0.12
Households with a computer (%)	1.2	..	..
Households with Internet access at home (%)	..	0.2	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	119.4	65.8	86.3
Individuals using the Internet (%)	1.7	13.0 ^a	6.0
Quality			
Population covered by a mobile-cellular network (%)	70	100	..
Fixed (wired)-broadband subscriptions (% of total Internet)	8.9	40.0	24.5
International Internet bandwidth (bit/s per Internet user)	122	4,206 ^a	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.7	9.6
Mobile-cellular sub-basket (\$ a month)	..	10.5	11.9
Fixed-broadband sub-basket (\$ a month)	..	16.3	42.8
Trade			
ICT goods exports (% of total goods exports)	2.0	6.4	..
ICT goods imports (% of total goods imports)	7.5	7.8	..
ICT service exports (% of total service exports)	13.4	13.8	18.6
Applications			
Online service 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

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	47	46	2,533
Urban population (% of total)	68	69	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,540	3,130	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.0	0.4	6.2
Adult literacy rate (% ages 15 and older)	99	100	71
Gross primary, secondary, tertiary school enrollment (%)	88	92	63
Sector structure			
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	C	C	
Internet service	..	C	
Foreign ownership (not allowed, restricted, allowed)	..	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9	3.5	2.5
Telecommunications investment (% of revenue)	32.8	14.2	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.9	28.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	64.0	123.0	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.28	7.01	1.25
Households with a computer (%)	11.5	25.2	10.7
Households with Internet access at home (%)	5.0	22.2	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	3.7	30.6	16.2
Quality			
Population covered by a mobile-cellular network (%)	96	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.5	75.8	58.8
International Internet bandwidth (bit/s per Internet user)	463 ^a	9,835 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.9	5.1
Mobile-cellular sub-basket (\$ a month)	..	6.5	11.3
Fixed-broadband sub-basket (\$ a month)	..	7.6	21.6
Trade			
ICT goods exports (% of total goods exports)	0.5	0.9	5.7
ICT goods imports (% of total goods imports)	4.0	2.6	6.7
ICT service exports (% of total service exports)	7.6	17.9	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.42	0.32
Secure Internet servers (per million people)	1.3	23.9	3.5

United Arab Emirates

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	8	1,135
Urban population (% of total)	82	84	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	42,280	40,760	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.8	2.7	0.7
Adult literacy rate (% ages 15 and older)	90	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.1	2.6
Telecommunications investment (% of revenue)	9.8	21.7	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	30.4	23.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	111.4	148.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	3.18	10.99	27.30
Households with a computer (%)	36.5 ^a	76.0	77.3
Households with Internet access at home (%)	30.4 ^a	67.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	53.1	..
Domestic mobile traffic (minutes/subscriber/month)	..	119.3	184.6
Individuals using the Internet (%)	40.0 ^a	70.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	65.5	95.0
International Internet bandwidth (bit/s per Internet user)	3,142	27,609	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.1	23.8
Mobile-cellular sub-basket (\$ a month)	..	9.1	23.9
Fixed-broadband sub-basket (\$ a month)	..	40.6	26.6
Trade			
ICT goods exports (% of total goods exports)	4.3	2.0	9.6
ICT goods imports (% of total goods imports)	8.1	4.5	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.63	0.86	0.67
Secure Internet servers (per million people)	54.8	206.8	1,067.1

United Kingdom

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	60	63	1,135
Urban population (% of total)	79	80	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	39,030	37,780	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.0	0.2	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	92	92	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	1.8	2.6
Telecommunications investment (% of revenue)	..	13.4	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	56.6	53.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	108.8	130.8	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	16.44	32.74	27.30
Households with a computer (%)	70.0	84.6	77.3
Households with Internet access at home (%)	60.2	85.1	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	87.6	126.2	184.6
Individuals using the Internet (%)	70.0	82.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	52,895	166,073 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	33.1	23.8
Mobile-cellular sub-basket (\$ a month)	..	38.0	23.9
Fixed-broadband sub-basket (\$ a month)	..	20.0	26.6
Trade			
ICT goods exports (% of total goods exports)	14.0	5.0	9.6
ICT goods imports (% of total goods imports)	12.3	8.2	11.2
ICT service exports (% of total service exports)	37.6	39.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.79	0.97	0.67
Secure Internet servers (per million people)	466.0	1,534.1	1,067.1

United States

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	296	312	1,135
Urban population (% of total)	81	82	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	44,670	48,620	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.5	0.5	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	94	98	94
Sector structure			
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 (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.8	2.6
Telecommunications investment (% of revenue)	18.7	17.6	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	59.0	46.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	68.6	92.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	17.23	27.35	27.30
Households with a computer (%)	67.1	75.5 ^a	77.3
Households with Internet access at home (%)	58.1 ^a	71.6 ^a	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	20.1	16.9	..
Domestic mobile traffic (minutes/subscriber/month)	..	383.7	184.6
Individuals using the Internet (%)	68.0 ^a	77.9 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	90.0	96.1	95.0
International Internet bandwidth (bit/s per Internet user)	7,217 ^a	47,174 ^a	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.8	23.8
Mobile-cellular sub-basket (\$ a month)	..	35.7	23.9
Fixed-broadband sub-basket (\$ a month)	..	20.0	26.6
Trade			
ICT goods exports (% of total goods exports)	14.3	9.5	9.6
ICT goods imports (% of total goods imports)	13.7	12.8	11.2
ICT service exports (% of total service exports)	19.4	20.3	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.86	1.00	0.67
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	2011	2011
Economic and social context			
Population (millions)	3	3	2,490
Urban population (% of total)	92	93	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,740	11,860	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.0	5.8	6.3
Adult literacy rate (% ages 15 and older)	98	98	94
Gross primary, secondary, tertiary school enrollment (%)	91	90	75
Sector structure			
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 (not allowed, restricted, allowed)	A	..	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.6	2.7
Telecommunications investment (% of revenue)	8.0	55.7	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	30.3	28.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	34.8	140.8	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.46	13.47	9.96
Households with a computer (%)	24.3	52.8 ^a	35.9
Households with Internet access at home (%)	13.4	33.3 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	8.9	6.1	2.6
Domestic mobile traffic (minutes/subscriber/month)	28.1	91.3	144.6
Individuals using the Internet (%)	20.1	51.4	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	100.0	84.6
International Internet bandwidth (bit/s per Internet user)	2,397	32,078	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.0	10.0
Mobile-cellular sub-basket (\$ a month)	..	21.4	16.0
Fixed-broadband sub-basket (\$ a month)	..	19.3	18.2
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	13.9
ICT goods imports (% of total goods imports)	6.3	6.4	13.5
ICT service exports (% of total service exports)	11.6	11.9	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.56	0.55	0.46
Secure Internet servers (per million people)	27.2	84.3	19.9

Uzbekistan

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	26	29	2,533
Urban population (% of total)	37	36	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	530	1,510	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.3	8.5	6.2
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)	74	71	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	..	2.5
Telecommunications investment (% of revenue)	31.7	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.9	6.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	2.8	91.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.03 ^a	0.53	1.25
Households with a computer (%)	..	3.2	10.7
Households with Internet access at home (%)	..	..	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	154.3	..
Individuals using the Internet (%)	3.3	30.2	16.2
Quality			
Population covered by a mobile-cellular network (%)	75	93	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.0	3.2	58.8
International Internet bandwidth (bit/s per Internet user)	165	579	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.9	5.1
Mobile-cellular sub-basket (\$ a month)	..	3.4	11.3
Fixed-broadband sub-basket (\$ a month)	..	200.0	21.6
Trade			
ICT goods exports (% of total goods exports)	..	..	5.7
ICT goods imports (% of total goods imports)	..	..	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.50	0.32
Secure Internet servers (per million people)	0.0	0.8	3.5

Vanuatu

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.21	0.25	2,533
Urban population (% of total)	23	25	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,760	2,730	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.1	4.3	6.2
Adult literacy rate (% ages 15 and older)	78	83	71
Gross primary, secondary, tertiary school enrollment (%)	63	..	63
Sector structure			
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	..	C	
Internet service	..	C	
Foreign ownership (not allowed, restricted, allowed)	..	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	5.1	2.5
Telecommunications investment (% of revenue)	20.0	9.1	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.3	2.5	5.6
Mobile-cellular telephone subscriptions (per 100 people)	6.0	55.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.12	1.25
Households with a computer (%)	..	7.8	10.7
Households with Internet access at home (%)	..	3.5	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	4.8	..
Individuals using the Internet (%)	5.1	8.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	20	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.7	14.8	58.8
International Internet bandwidth (bit/s per Internet user)	373	2,764 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	41.0	5.1
Mobile-cellular sub-basket (\$ a month)	..	25.4	11.3
Fixed-broadband sub-basket (\$ a month)	..	171.0	21.6
Trade			
ICT goods exports (% of total goods exports)	0.2	..	5.7
ICT goods imports (% of total goods imports)	2.8	..	6.7
ICT service exports (% of total service exports)	6.5	3.5	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.25	0.22	0.32
Secure Internet servers (per million people)	132.6	151.0	3.5

Venezuela, RB

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	27	29	2,490
Urban population (% of total)	92	94	61
GNI per capita, <i>World Bank Atlas</i> method (\$)	4,950	11,820	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.5	3.1	6.3
Adult literacy rate (% ages 15 and older)	95	96	94
Gross primary, secondary, tertiary school enrollment (%)	76	89	75
Sector structure			
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 (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.9	2.7
Telecommunications investment (% of revenue)	27.5	11.6	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7	24.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	46.9	97.8	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	..	6.17	9.96
Households with a computer (%)	10.3	17.3 ^a	35.9
Households with Internet access at home (%)	2.5	11.0 ^a	25.5
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.3	3.8	2.6
Domestic mobile traffic (minutes/subscriber/month)	91.6	63.2	144.6
Individuals using the Internet (%)	12.6	40.2	38.2
Quality			
Population covered by a mobile-cellular network (%)	90	..	98
Fixed (wired)-broadband subscriptions (% of total Internet)	..	89.1	84.6
International Internet bandwidth (bit/s per Internet user)	399 ^a	8,108 ^a	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.7	10.0
Mobile-cellular sub-basket (\$ a month)	..	24.6	16.0
Fixed-broadband sub-basket (\$ a month)	..	15.7	18.2
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	13.9
ICT goods imports (% of total goods imports)	11.9	6.4	13.5
ICT service exports (% of total service exports)	13.8	12.2	28.3
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.48	0.46
Secure Internet servers (per million people)	4.6	10.9	19.9

Vietnam

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	82	88	2,533
Urban population (% of total)	27	31	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	630	1,270	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.5	6.7	6.2
Adult literacy rate (% ages 15 and older)	90	93	71
Gross primary, secondary, tertiary school enrollment (%)	65	66	63
Sector structure			
Separate telecommunications/ICT regulator	No	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 (not allowed, restricted, allowed)	..	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	7.1	2.5
Telecommunications investment (% of revenue)	..	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.2	11.5	5.6
Mobile-cellular telephone subscriptions (per 100 people)	11.5	143.4	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.25	4.32	1.25
Households with a computer (%)	6.3 ^a	16.0	10.7
Households with Internet access at home (%)	1.5 ^a	12.5 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	12.7	35.1	16.2
Quality			
Population covered by a mobile-cellular network (%)	70	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	7.2	30.6	58.8
International Internet bandwidth (bit/s per Internet user)	341	9,998 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.2	5.1
Mobile-cellular sub-basket (\$ a month)	..	4.8	11.3
Fixed-broadband sub-basket (\$ a month)	..	10.5	21.6
Trade			
ICT goods exports (% of total goods exports)	2.8	7.9	5.7
ICT goods imports (% of total goods imports)	6.1	8.4	6.7
ICT service exports (% of total service exports)	..	..	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.46	0.42	0.32
Secure Internet servers (per million people)	0.1	6.5	3.5

Virgin Islands (U.S.)

High income

	Country data		High-income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.11	0.11	1,135
Urban population (% of total)	94	95	80
GNI per capita, <i>World Bank Atlas</i> method (\$)	..	..	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	..	..	0.7
Adult literacy rate (% ages 15 and older)	..	..	98
Gross primary, secondary, tertiary school enrollment (%)	..	..	94
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	..	..
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	65.6 ^a	69.5 ^a	47.3
Mobile-cellular telephone subscriptions (per 100 people)	73.4 ^a	..	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	2.71	8.34 ^a	27.30
Households with a computer (%)	..	..	77.3
Households with Internet access at home (%)	..	..	74.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	184.6
Individuals using the Internet (%)	27.3 ^a	27.4 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
Fixed (wired)-broadband subscriptions (% of total Internet)	..	..	95.0
International Internet bandwidth (bit/s per Internet user)	1,505 ^a	..	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.8
Mobile-cellular sub-basket (\$ a month)	..	..	23.9
Fixed-broadband sub-basket (\$ a month)	..	..	26.6
Trade			
ICT goods exports (% of total goods exports)	..	..	9.6
ICT goods imports (% of total goods imports)	..	..	11.2
ICT service exports (% of total service exports)	..	..	30.6
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	209.9	432.8	1,067.1

West Bank and Gaza

	Middle East & North Africa		Lower middle income
			Lower middle-income group
	Country data		
	2005	2011	2011
Economic and social context			
Population (millions)	3	4	2,533
Urban population (% of total)	73	74	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,340	..	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.9	..	6.2
Adult literacy rate (% ages 15 and older)	93	95	71
Gross primary, secondary, tertiary school enrollment (%)	80	78	63
Sector structure			
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 (not allowed, restricted, allowed)	..	..
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	..	2.5
Telecommunications investment (% of revenue)	5.1	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.5	9.4	5.6
Mobile-cellular telephone subscriptions (per 100 people)	16.0	45.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.21	..	1.25
Households with a computer (%)	29.5 ^a	50.9	10.7
Households with Internet access at home (%)	15.9	30.4	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	16.0 ^a	41.1 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	95	..	86
Fixed (wired)-broadband subscriptions (% of total Internet)	9.6	..	58.8
International Internet bandwidth (bit/s per Internet user)	422	..	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.1
Mobile-cellular sub-basket (\$ a month)	..	..	11.3
Fixed-broadband sub-basket (\$ a month)	..	..	21.6
Trade			
ICT goods exports (% of total goods exports)	0.5	1.3	5.7
ICT goods imports (% of total goods imports)	2.3	2.8	6.7
ICT service exports (% of total service exports)	27.7	6.0	43.4
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.32
Secure Internet servers (per million people)	0.6	4.9	3.5

Yemen, Rep.

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	21	25	2,533
Urban population (% of total)	29	32	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	690	1,070	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	2.7	6.2
Adult literacy rate (% ages 15 and older)	55	64	71
Gross primary, secondary, tertiary school enrollment (%)	55	..	63
Sector structure			
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 (not allowed, restricted, allowed)	..	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	3.3	2.5
Telecommunications investment (% of revenue)	25.2	29.4	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.4 ^a	4.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	11.0	47.0	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.44	1.25
Households with a computer (%)	..	4.0 ^a	10.7
Households with Internet access at home (%)	..	2.9 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.7	13.4	6.5
Domestic mobile traffic (minutes/subscriber/month)	..	..	..
Individuals using the Internet (%)	1.0 ^a	14.9 ^a	16.2
Quality			
Population covered by a mobile-cellular network (%)	68	84	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.4	14.4	58.8
International Internet bandwidth (bit/s per Internet user)	28 ^a	1,082 ^a	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.9	5.1
Mobile-cellular sub-basket (\$ a month)	..	11.3	11.3
Fixed-broadband sub-basket (\$ a month)	..	16.7	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	2.1	1.0	6.7
ICT service exports (% of total service exports)	15.8	8.7	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.21	0.18	0.32
Secure Internet servers (per million people)	0.1	0.4	3.5

Zambia

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2011	2011
Economic and social context			
Population (millions)	11	13	2,533
Urban population (% of total)	37	39	39
GNI per capita, <i>World Bank Atlas</i> method (\$)	490	1,160	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.8	6.4	6.2
Adult literacy rate (% ages 15 and older)	69	71	71
Gross primary, secondary, tertiary school enrollment (%)	..	..	63
Sector structure			
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	P	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	0.1	2.5
Telecommunications investment (% of revenue)	29.3	..	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.6	5.6
Mobile-cellular telephone subscriptions (per 100 people)	8.3	60.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	1.25
Households with a computer (%)	1.8	2.4 ^a	10.7
Households with Internet access at home (%)	0.1	2.0 ^a	7.7
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	1.9	6.5
Domestic mobile traffic (minutes/subscriber/month)	28.2	46.3	..
Individuals using the Internet (%)	2.9 ^a	11.5	16.2
Quality			
Population covered by a mobile-cellular network (%)	65	62	86
Fixed (wired)-broadband subscriptions (% of total Internet)	31.8	51.4	58.8
International Internet bandwidth (bit/s per Internet user)	67	1,889	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.5	5.1
Mobile-cellular sub-basket (\$ a month)	..	20.0	11.3
Fixed-broadband sub-basket (\$ a month)	..	58.0	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	4.6	3.0	6.7
ICT service exports (% of total service exports)	5.5	8.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.23	0.31	0.32
Secure Internet servers (per million people)	0.2	2.4	3.5

Zimbabwe

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2011	2011
Economic and social context			
Population (millions)	13	13	817
Urban population (% of total)	36	39	28
GNI per capita, <i>World Bank Atlas</i> method (\$)	440	660	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-8.5	-1.4	5.8
Adult literacy rate (% ages 15 and older)	..	92	63
Gross primary, secondary, tertiary school enrollment (%)	..	..	58
Sector structure			
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 (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.6	2.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.1	72.1	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.08	0.27	0.12
Households with a computer (%)	..	5.9	..
Households with Internet access at home (%)	2.0	4.0 ^a	..
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.5	..
Domestic mobile traffic (minutes/subscriber/month)	51.7	31.6	86.3
Individuals using the Internet (%)	8.0 ^a	15.7	6.0
Quality			
Population covered by a mobile-cellular network (%)	70	72	..
Fixed (wired)-broadband subscriptions (% of total Internet)	10.6	63.0	24.5
International Internet bandwidth (bit/s per Internet user)	55	1,748	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.1	9.6
Mobile-cellular sub-basket (\$ a month)	..	20.6	11.9
Fixed-broadband sub-basket (\$ a month)	..	30.0	42.8
Trade			
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)	..	..	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.30	0.13	0.20
Secure Internet servers (per million people)	0.2	3.2	0.8

Notes

- a. ITU estimate.
- b. Excludes South Sudan.
- c. Excludes South Sudan after July 9, 2011.

Glossary

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

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)

Fixed-broadband sub-basket refers to the price of the monthly subscription to an entry-level fixed broadband plan. For comparability reasons, 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 analog 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 refers to the allowance of foreign participation or ownership in facility-based and spectrum-based operators as well as in Internet Service Providers (ISPs). (No = not allowed, R = allowed with restrictions, A = allowed without restrictions) (International Telecommunication Union)

GDP growth is the annual percentage growth rate of gross domestic product (GDP) at market prices based on constant local currency. Aggregates are based on constant 2000 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without

Glossary

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)

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)

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)

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 telephone 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 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 percent 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)

Mobile-cellular telephone subscriptions refers to the number of subscriptions to a public mobile-telephone service that provide access to the PSTN (public switched telephone network) using cellular technology. The indicator includes (and is split into) the number of postpaid subscriptions, and the

Glossary

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)

Online service 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 2011 are for 2012. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network)

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 2011 are for December 2012. (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)

Glossary

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 licenses and the use of radio spectrum. (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)

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

VoIP is Voice over Internet Protocol, a generic term.

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