

The Little Data Book on Information and Communication Technology

15

Economic and social context

Sector structure

Sector efficiency and capacity

Sector performance

Access

Usage

Quality

Affordability

Trade

Applications

2015 | THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY



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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. In 2015, there are more than 7 billion mobile-cellular subscriptions worldwide. Globally, 3.2 billion people are using the Internet of which 2 billion are from developing countries. Mobile-broadband subscriptions have risen constantly to reach 3 billion while the number of fixed-broadband subscriptions reach more than 790 million during the same period.

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 2015 illustrates the progress of this revolution for 214 economies around the world. It provides comparable statistics on the sector for 2005 and 2014 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 2014 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.
- Figures in 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.

Aggregates for groups of economies are based on the World Bank's regional and income classifications, and may differ from those published by the ITU. Because of missing data, aggregates should be treated as approximations of unknown totals or average values. The aggregation method for each indicator is noted in the glossary. Sums (s) are simple totals of available data. Weighted averages (w) are calculated using the value of the denominator or, in some cases, another indicator as the weight. Median (m) calculations are based on available data and exclude economies with populations below 1 million. For more information about aggregation methods visit datahelpdesk.worldbank.org.

The cutoff date for data is September 18, 2015.

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, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Romania, Serbia, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan

Latin America and the Caribbean

Belize, Bolivia, Brazil, 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

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, Cabo Verde, Cameroon, 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, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

World

	2005	2014
Economic and social context		
Population (millions)	6,515	7,261
Urban population (% of total)	49	53
GNI per capita, World Bank Atlas method (\$)	7,288	10,779
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.9	2.2
Adult literacy rate (% ages 15 and older)	82	85
Gross primary, secondary, tertiary school enrollment (%)	66	74
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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)	18.3	19.1
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	19.4	15.2
Mobile-cellular telephone subscriptions (per 100 people)	33.9	96.3
Fixed-broadband subscriptions (per 100 people)	3.7	9.6
Households with a computer (%)	27.6	44.2
Households with Internet access at home (%)	18.9	44.5
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	6.7
Domestic mobile traffic (minutes/subscriber/month)	..	200
Individuals using the Internet (%)	15.8	40.7
Quality		
Population covered by a mobile-cellular network (%)	67	96
International Internet bandwidth (bit/s per Internet user)	4,849	61,011
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	10.5
Mobile-cellular sub-basket (\$ a month)	..	13.1
Fixed-broadband sub-basket (\$ a month)	..	21.7
Trade		
ICT goods exports (% of total goods exports)	13.5	9.8
ICT goods imports (% of total goods imports)	13.8	11.1
ICT service exports (% of total service exports)	27.2	31.3
Applications		
Online service index (0-1, 1=highest presence)	0.45	0.36
Secure Internet servers (per million people)	64.6	188.9

East Asia & Pacific

	2005	2014
Economic and social context		
Population (millions)	1,895	2,021
Urban population (% of total)	42	52
GNI per capita, World Bank Atlas method (\$)	1,634	6,121
GDP growth, 2000-05 and 2005-14 (avg. annual %)	8.4	8.7
Adult literacy rate (% ages 15 and older)	91	95
Gross primary, secondary, tertiary school enrollment (%)	65	76
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	2.1
Telecommunications investment (% of revenue)	23.5	21.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	20.9	14.7
Mobile-cellular telephone subscriptions (per 100 people)	28.1	100.5
Fixed-broadband subscriptions (per 100 people)	2.1	11.1
Households with a computer (%)	20.4	39.9
Households with Internet access at home (%)	9.0	41.9
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	1.3	0.5
Domestic mobile traffic (minutes/subscriber/month)	132	386
Individuals using the Internet (%)	8.3	42.1
Quality		
Population covered by a mobile-cellular network (%)	93	99
International Internet bandwidth (bit/s per Internet user)	975	8,692
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	5.5
Mobile-cellular sub-basket (\$ a month)	..	6.9
Fixed-broadband sub-basket (\$ a month)	..	20.5
Trade		
ICT goods exports (% of total goods exports)	29.6	24.6
ICT goods imports (% of total goods imports)	24.4	18.8
ICT service exports (% of total service exports)	26.5	32.6
Applications		
Online service index (0-1, 1=highest presence)	0.29	0.20
Secure Internet servers (per million people)	0.8	8.9

Europe & Central Asia

	2005	2014
Economic and social context		
Population (millions)	250	264
Urban population (% of total)	58	60
GNI per capita, World Bank Atlas method (\$)	3,232	6,865
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.0	3.4
Adult literacy rate (% ages 15 and older)	96	98
Gross primary, secondary, tertiary school enrollment (%)	77	86
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	2.4
Telecommunications investment (% of revenue)	23.3	19.6
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	21.6	19.8
Mobile-cellular telephone subscriptions (per 100 people)	47.8	112.7
Fixed-broadband subscriptions (per 100 people)	1.0	13.2
Households with a computer (%)	18.5	51.1
Households with Internet access at home (%)	5.9	48.2
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	10.8	48.2
Quality		
Population covered by a mobile-cellular network (%)	91	99
International Internet bandwidth (bit/s per Internet user)	1,868	59,462
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	4.6
Mobile-cellular sub-basket (\$ a month)	..	10.7
Fixed-broadband sub-basket (\$ a month)	..	11.5
Trade		
ICT goods exports (% of total goods exports)	2.1	1.4
ICT goods imports (% of total goods imports)	5.4	4.7
ICT service exports (% of total service exports)	8.7	15.1
Applications		
Online service index (0-1, 1=highest presence)	0.46	0.43
Secure Internet servers (per million people)	6.8	46.8

Latin America & Caribbean

	2005	2014
Economic and social context		
Population (millions)	471	525
Urban population (% of total)	75	78
GNI per capita, World Bank Atlas method (\$)	4,293	8,995
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.6	3.3
Adult literacy rate (% ages 15 and older)	89	92
Gross primary, secondary, tertiary school enrollment (%)	79	81
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	2.9
Telecommunications investment (% of revenue)	21.3	18.9
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	16.9	16.7
Mobile-cellular telephone subscriptions (per 100 people)	40.5	111.3
Fixed-broadband subscriptions (per 100 people)	1.4	9.9
Households with a computer (%)	15.7	42.0
Households with Internet access at home (%)	9.4	37.2
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.1
Domestic mobile traffic (minutes/subscriber/month)	39	103
Individuals using the Internet (%)	16.1	47.5
Quality		
Population covered by a mobile-cellular network (%)	89	99
International Internet bandwidth (bit/s per Internet user)	1,146	34,722
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	9.1
Mobile-cellular sub-basket (\$ a month)	..	12.9
Fixed-broadband sub-basket (\$ a month)	..	20.7
Trade		
ICT goods exports (% of total goods exports)	10.5	9.2
ICT goods imports (% of total goods imports)	14.0	13.4
ICT service exports (% of total service exports)	..	..
Applications		
Online service index (0-1, 1=highest presence)	0.47	0.36
Secure Internet servers (per million people)	10.0	46.7

Middle East & North Africa

	2005	2014
Economic and social context		
Population (millions)	304	357
Urban population (% of total)	57	60
GNI per capita, World Bank Atlas method (\$)	1,988	..
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.6	2.9
Adult literacy rate (% ages 15 and older)	68	78
Gross primary, secondary, tertiary school enrollment (%)	69	77
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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)	3.7	2.6
Telecommunications investment (% of revenue)	21.7	17.1
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	14.4	15.1
Mobile-cellular telephone subscriptions (per 100 people)	22.4	100.7
Fixed-broadband subscriptions (per 100 people)	0.4	5.5
Households with a computer (%)	15.4	43.4
Households with Internet access at home (%)	8.9	37.3
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	8.5	6.6
Domestic mobile traffic (minutes/subscriber/month)	..	..
Individuals using the Internet (%)	8.5	32.7
Quality		
Population covered by a mobile-cellular network (%)	79	98
International Internet bandwidth (bit/s per Internet user)	645	9,572
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	5.2
Mobile-cellular sub-basket (\$ a month)	..	7.8
Fixed-broadband sub-basket (\$ a month)	..	11.8
Trade		
ICT goods exports (% of total goods exports)	0.7	0.8
ICT goods imports (% of total goods imports)	5.2	4.1
ICT service exports (% of total service exports)	..	..
Applications		
Online service index (0-1, 1=highest presence)	0.35	0.33
Secure Internet servers (per million people)	0.6	4.5

South Asia

	2005	2014
Economic and social context		
Population (millions)	1,511	1,721
Urban population (% of total)	29	33
GNI per capita, World Bank Atlas method (\$)	701	1,502
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.3	6.9
Adult literacy rate (% ages 15 and older)	58	67
Gross primary, secondary, tertiary school enrollment (%)	57	67
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	1.8
Telecommunications investment (% of revenue)	37.8	16.2
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	4.0	2.2
Mobile-cellular telephone subscriptions (per 100 people)	7.8	75.0
Fixed-broadband subscriptions (per 100 people)	0.1	1.2
Households with a computer (%)	2.0	12.5
Households with Internet access at home (%)	1.4	14.0
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	5.3	8.9
Domestic mobile traffic (minutes/subscriber/month)	..	168
Individuals using the Internet (%)	2.5	16.6
Quality		
Population covered by a mobile-cellular network (%)	37	94
International Internet bandwidth (bit/s per Internet user)	560	5,833
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	2.6
Mobile-cellular sub-basket (\$ a month)	..	2.8
Fixed-broadband sub-basket (\$ a month)	..	5.6
Trade		
ICT goods exports (% of total goods exports)	1.0	1.3
ICT goods imports (% of total goods imports)	7.6	5.3
ICT service exports (% of total service exports)	61.5	62.2
Applications		
Online service index (0-1, 1=highest presence)	0.31	0.33
Secure Internet servers (per million people)	0.5	4.7

Sub-Saharan Africa

	2005	2014
Economic and social context		
Population (millions)	762	973
Urban population (% of total)	33	37
GNI per capita, World Bank Atlas method (\$)	785	1,699
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.3	4.5
Adult literacy rate (% ages 15 and older)	57	60
Gross primary, secondary, tertiary school enrollment (%)	52	59
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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)	4.5	3.1
Telecommunications investment (% of revenue)	..	26.4
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	1.5	1.2
Mobile-cellular telephone subscriptions (per 100 people)	12.0	71.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.4
Households with a computer (%)	3.6	9.4
Households with Internet access at home (%)	1.1	9.8
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.1
Domestic mobile traffic (minutes/subscriber/month)	..	60
Individuals using the Internet (%)	2.1	19.2
Quality		
Population covered by a mobile-cellular network (%)	51	82
International Internet bandwidth (bit/s per Internet user)	230	26,549
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	10.5
Mobile-cellular sub-basket (\$ a month)	..	13.0
Fixed-broadband sub-basket (\$ a month)	..	40.6
Trade		
ICT goods exports (% of total goods exports)	0.6	0.5
ICT goods imports (% of total goods imports)	7.6	5.6
ICT service exports (% of total service exports)	12.5	17.3
Applications		
Online service index (0-1, 1=highest presence)	0.25	0.15
Secure Internet servers (per million people)	2.0	8.6

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 \$1,045 or less in 2014.

Middle-income economies are those with a GNI per capita of more than \$1,045 but less than \$12,735. Lower-middle-income and upper-middle income economies are separated at a GNI per capita of \$4,125.

High-income economies are those with a GNI per capita of \$12,736 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, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

	2005	2014
Economic and social context		
Population (millions)	488	622
Urban population (% of total)	26	30
GNI per capita, World Bank Atlas method (\$)	291	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.6	6.1
Adult literacy rate (% ages 15 and older)	54	57
Gross primary, secondary, tertiary school enrollment (%)	51	59
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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)	..	..
Telecommunications investment (% of revenue)	..	..
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	0.8	0.9
Mobile-cellular telephone subscriptions (per 100 people)	3.9	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.2
Households with a computer (%)	1.3	4.5
Households with Internet access at home (%)	0.3	4.2
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	40
Individuals using the Internet (%)	1.0	6.3
Quality		
Population covered by a mobile-cellular network (%)	38	..
International Internet bandwidth (bit/s per Internet user)	174	4,196
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	8.7
Mobile-cellular sub-basket (\$ a month)	..	11.7
Fixed-broadband sub-basket (\$ a month)	..	44.9
Trade		
ICT goods exports (% of total goods exports)	..	..
ICT goods imports (% of total goods imports)	..	2.7
ICT service exports (% of total service exports)	14.0	21.5
Applications		
Online service index (0-1, 1=highest presence)	0.20	0.11
Secure Internet servers (per million people)	0.2	1.2

Middle income

	2005	2014
Economic and social context		
Population (millions)	4,704	5,240
Urban population (% of total)	43	49
GNI per capita, World Bank Atlas method (\$)	1,710	4,653
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.7	6.0
Adult literacy rate (% ages 15 and older)	79	83
Gross primary, secondary, tertiary school enrollment (%)	63	72
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	2.4
Telecommunications investment (% of revenue)	21.9	19.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	13.5	10.2
Mobile-cellular telephone subscriptions (per 100 people)	23.4	93.6
Fixed-broadband subscriptions (per 100 people)	1.1	4.3
Households with a computer (%)	14.1	32.2
Households with Internet access at home (%)	6.7	32.5
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	3.8	4.6
Domestic mobile traffic (minutes/subscriber/month)	..	223
Individuals using the Internet (%)	7.1	34.1
Quality		
Population covered by a mobile-cellular network (%)	86	97
International Internet bandwidth (bit/s per Internet user)	983	17,417
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	6.9
Mobile-cellular sub-basket (\$ a month)	..	11.1
Fixed-broadband sub-basket (\$ a month)	..	17.3
Trade		
ICT goods exports (% of total goods exports)	18.3	15.6
ICT goods imports (% of total goods imports)	16.4	13.4
ICT service exports (% of total service exports)	27.1	34.6
Applications		
Online service index (0-1, 1=highest presence)	0.41	0.31
Secure Internet servers (per million people)	2.1	13.7

Lower middle income

	2005	2014
Economic and social context		
Population (millions)	2,505	2,879
Urban population (% of total)	35	39
GNI per capita, World Bank Atlas method (\$)	844	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.9	5.9
Adult literacy rate (% ages 15 and older)	67	73
Gross primary, secondary, tertiary school enrollment (%)	59	67
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	2.3
Telecommunications investment (% of revenue)	23.6	19.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	4.8	4.0
Mobile-cellular telephone subscriptions (per 100 people)	12.9	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	2.4
Households with a computer (%)	3.2	17.0
Households with Internet access at home (%)	2.2	18.3
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	6.8	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	148
Individuals using the Internet (%)	3.7	22.6
Quality		
Population covered by a mobile-cellular network (%)	52	94
International Internet bandwidth (bit/s per Internet user)	508	10,618
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	5.0
Mobile-cellular sub-basket (\$ a month)	..	7.7
Fixed-broadband sub-basket (\$ a month)	..	18.6
Trade		
ICT goods exports (% of total goods exports)	7.2	6.2
ICT goods imports (% of total goods imports)	9.5	8.0
ICT service exports (% of total service exports)	39.4	51.1
Applications		
Online service index (0-1, 1=highest presence)	0.32	0.24
Secure Internet servers (per million people)	0.6	5.9

Upper middle income

	2005	2014
Economic and social context		
Population (millions)	2,199	2,361
Urban population (% of total)	53	62
GNI per capita, World Bank Atlas method (\$)	2,697	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.7	6.0
Adult literacy rate (% ages 15 and older)	90	94
Gross primary, secondary, tertiary school enrollment (%)	69	80
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	2.4
Telecommunications investment (% of revenue)	19.2	19.7
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	23.0	17.6
Mobile-cellular telephone subscriptions (per 100 people)	35.3	101.4
Fixed-broadband subscriptions (per 100 people)	2.3	11.7
Households with a computer (%)	21.8	46.0
Households with Internet access at home (%)	10.1	45.3
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	2.5	1.6
Domestic mobile traffic (minutes/subscriber/month)	98	293
Individuals using the Internet (%)	11.1	47.7
Quality		
Population covered by a mobile-cellular network (%)	94	99
International Internet bandwidth (bit/s per Internet user)	1,162	21,253
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	8.9
Mobile-cellular sub-basket (\$ a month)	..	12.4
Fixed-broadband sub-basket (\$ a month)	..	17.3
Trade		
ICT goods exports (% of total goods exports)	20.8	18.0
ICT goods imports (% of total goods imports)	18.6	15.1
ICT service exports (% of total service exports)	20.6	27.4
Applications		
Online service index (0-1, 1=highest presence)	0.47	0.37
Secure Internet servers (per million people)	3.8	23.3

Low and middle income

	2005	2014
Economic and social context		
Population (millions)	5,192	5,862
Urban population (% of total)	42	47
GNI per capita, World Bank Atlas method (\$)	1,577	4,226
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.7	6.0
Adult literacy rate (% ages 15 and older)	77	81
Gross primary, secondary, tertiary school enrollment (%)	62	70
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	2.4
Telecommunications investment (% of revenue)	27.6	20.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	12.4	9.3
Mobile-cellular telephone subscriptions (per 100 people)	21.7	89.8
Fixed-broadband subscriptions (per 100 people)	1.1	3.8
Households with a computer (%)	13.4	30.1
Households with Internet access at home (%)	6.3	30.3
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.6
Domestic mobile traffic (minutes/subscriber/month)	..	214
Individuals using the Internet (%)	6.6	31.1
Quality		
Population covered by a mobile-cellular network (%)	84	96
International Internet bandwidth (bit/s per Internet user)	974	17,145
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	7.2
Mobile-cellular sub-basket (\$ a month)	..	11.3
Fixed-broadband sub-basket (\$ a month)	..	20.0
Trade		
ICT goods exports (% of total goods exports)	18.1	15.5
ICT goods imports (% of total goods imports)	16.3	13.3
ICT service exports (% of total service exports)	26.9	34.5
Applications		
Online service index (0-1, 1=highest presence)	0.35	0.26
Secure Internet servers (per million people)	2.0	12.4

High income

	2005	2014
Economic and social context		
Population (millions)	1,322	1,399
Urban population (% of total)	78	81
GNI per capita, World Bank Atlas method (\$)	29,714	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.3	1.1
Adult literacy rate (% ages 15 and older)	98	99
Gross primary, secondary, tertiary school enrollment (%)	89	95
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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)	2.9	2.6
Telecommunications investment (% of revenue)	15.0	16.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	46.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	81.9	123.3
Fixed-broadband subscriptions (per 100 people)	12.9	28.0
Households with a computer (%)	58.7	80.3
Households with Internet access at home (%)	47.9	81.0
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	188
Individuals using the Internet (%)	51.8	80.6
Quality		
Population covered by a mobile-cellular network (%)	98	100
International Internet bandwidth (bit/s per Internet user)	6,959	131,821
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	26.9
Trade		
ICT goods exports (% of total goods exports)	12.3	8.2
ICT goods imports (% of total goods imports)	13.2	10.5
ICT service exports (% of total service exports)	27.2	30.3
Applications		
Online service index (0-1, 1=highest presence)	0.65	0.67
Secure Internet servers (per million people)	296.1	928.0

Euro area

	2005	2014
Economic and social context		
Population (millions)	329	339
Urban population (% of total)	74	76
GNI per capita, World Bank Atlas method (\$)	32,439	39,173
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.5	0.3
Adult literacy rate (% ages 15 and older)	98	99
Gross primary, secondary, tertiary school enrollment (%)	92	97
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line telephone 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	1.7
Telecommunications investment (% of revenue)	12.7	16.4
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	51.3	46.2
Mobile-cellular telephone subscriptions (per 100 people)	97.9	121.2
Fixed-broadband subscriptions (per 100 people)	13.1	34.0
Households with a computer (%)	57.9	82.3
Households with Internet access at home (%)	46.1	81.5
Usage		
Int'l. voice traffic, total (minutes/subscriber/month)	..	..
Domestic mobile traffic (minutes/subscriber/month)	84	125
Individuals using the Internet (%)	51.2	78.3
Quality		
Population covered by a mobile-cellular network (%)	99	100
International Internet bandwidth (bit/s per Internet user)	9,568	172,389
Affordability		
Fixed-telephone sub-basket (\$ a month)	..	26.5
Mobile-cellular sub-basket (\$ a month)	..	23.1
Fixed-broadband sub-basket (\$ a month)	..	26.4
Trade		
ICT goods exports (% of total goods exports)	8.2	4.4
ICT goods imports (% of total goods imports)	10.1	6.5
ICT service exports (% of total service exports)	31.4	34.3
Applications		
Online service index (0-1, 1=highest presence)	0.68	0.68
Secure Internet servers (per million people)	143.1	830.0

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 Cyprus.

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. Data reported for Sudan exclude South Sudan after 2011 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 2015* or data.worldbank.org.

Afghanistan

South Asia

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	24	32	622
Urban population (% of total)	23	26	30
GNI per capita, World Bank Atlas method (\$)	250	670	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.2	9.3	6.1
Adult literacy rate (% ages 15 and older)	..	32	57
Gross primary, secondary, tertiary school enrollment (%)	53	62	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	M	
Mobile telephone service	P	P	
Internet service	P	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)	6.0	..	..
Telecommunications investment (% of revenue)	37.8	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.3	0.9
Mobile-cellular telephone subscriptions (per 100 people)	4.8	74.9	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.8	2.7	4.5
Households with Internet access at home (%)	0.8	2.3	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	28.8	..	39.8
Individuals using the Internet (%)	1.2	6.4	6.3
Quality			
Population covered by a mobile-cellular network (%)	72	89	..
International Internet bandwidth (bit/s per Internet user)	13	6,942	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.6	8.7
Mobile-cellular sub-basket (\$ a month)	..	5.9	11.7
Fixed-broadband sub-basket (\$ a month)	..	22.5	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	0.0	2.7
ICT service exports (% of total service exports)	..	65.9	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.20	0.18	0.11
Secure Internet servers (per million people)	0.0	1.0	1.2

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	3	2,361
Urban population (% of total)	47	56	62
GNI per capita, World Bank Atlas method (\$)	2,690	4,460	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.3	3.7	6.0
Adult literacy rate (% ages 15 and older)	99	97	94
Gross primary, secondary, tertiary school enrollment (%)	66	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	C	
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	2.0	2.4
Telecommunications investment (% of revenue)	11.2	34.9	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.7	7.8	17.6
Mobile-cellular telephone subscriptions (per 100 people)	47.9	105.5	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	6.6	11.7
Households with a computer (%)	4.9	23.5	46.0
Households with Internet access at home (%)	3.4	26.6	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	41.0	20.7	1.6
Domestic mobile traffic (minutes/subscriber/month)	21.5	149.7	293.4
Individuals using the Internet (%)	6.0	60.1	47.7
Quality			
Population covered by a mobile-cellular network (%)	91	100	99
International Internet bandwidth (bit/s per Internet user)	62	26,117	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	31.7	12.4
Fixed-broadband sub-basket (\$ a month)	..	11.3	17.3
Trade			
ICT goods exports (% of total goods exports)	0.6	0.4	18.0
ICT goods imports (% of total goods imports)	3.8	3.0	15.1
ICT service exports (% of total service exports)	10.3	9.2	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.45	0.37
Secure Internet servers (per million people)	0.3	23.8	23.3

Algeria

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	33	39	2,361
Urban population (% of total)	64	70	62
GNI per capita, World Bank Atlas method (\$)	2,710	5,480	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.6	2.8	6.0
Adult literacy rate (% ages 15 and older)	73	..	94
Gross primary, secondary, tertiary school enrollment (%)	69	79	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	M	
Mobile telephone service	P	M	
Internet service	C	M	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.0	2.4
Telecommunications investment (% of revenue)	36.0	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.6	7.7	17.6
Mobile-cellular telephone subscriptions (per 100 people)	40.2	93.3	101.4
Fixed-broadband subscriptions (per 100 people)	0.4	4.0	11.7
Households with a computer (%)	7.1	28.2	46.0
Households with Internet access at home (%)	1.2	25.9	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	8.1	6.5	1.6
Domestic mobile traffic (minutes/subscriber/month)	12.4	188.7	293.4
Individuals using the Internet (%)	5.8	18.1	47.7
Quality			
Population covered by a mobile-cellular network (%)	42	98	99
International Internet bandwidth (bit/s per Internet user)	79	12,460	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	13.0	12.4
Fixed-broadband sub-basket (\$ a month)	..	19.6	17.3
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	18.0
ICT goods imports (% of total goods imports)	7.9	4.2	15.1
ICT service exports (% of total service exports)	29.2	60.5	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.08	0.37
Secure Internet servers (per million people)	0.1	2.0	23.3

American Samoa

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.06	0.06	2,361
Urban population (% of total)	88	87	62
GNI per capita, World Bank Atlas method (\$)	..	..	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	17.6	17.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	3.8	..	101.4
Fixed-broadband subscriptions (per 100 people)	..	..	11.7
Households with a computer (%)	..	..	46.0
Households with Internet access at home (%)	..	..	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	..	..	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	..	99
International Internet bandwidth (bit/s per Internet user)	..	..	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.9
Mobile-cellular sub-basket (\$ a month)	..	..	12.4
Fixed-broadband sub-basket (\$ a month)	..	..	17.3
Trade			
ICT goods exports (% of total goods exports)	..	..	18.0
ICT goods imports (% of total goods imports)	..	..	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.37
Secure Internet servers (per million people)	69.1	54.1	23.3

Andorra

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.08	0.07	1,399
Urban population (% of total)	90	86	81
GNI per capita, World Bank Atlas method (\$)	40,040	43,270	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	8.4	-3.5	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.4	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	43.6	47.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	79.5	82.6	123.3
Fixed-broadband subscriptions (per 100 people)	12.7	35.9	28.0
Households with a computer (%)	..	82.6	80.3
Households with Internet access at home (%)	..	81.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	112.6	74.0	..
Domestic mobile traffic (minutes/subscription/month)	65.4	50.7	188.0
Individuals using the Internet (%)	37.6	95.9	80.6
Quality			
Population covered by a mobile-cellular network (%)	91	99	100
International Internet bandwidth (bit/s per Internet user)	13,750	78,057	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	18.8	..	8.2
ICT goods imports (% of total goods imports)	14.0	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.43	0.67
Secure Internet servers (per million people)	418.6	879.3	928.0

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	18	24	2,361
Urban population (% of total)	36	43	62
GNI per capita, World Bank Atlas method (\$)	1,170	4,850	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	10.1	7.8	6.0
Adult literacy rate (% ages 15 and older)	67	71	94
Gross primary, secondary, tertiary school enrollment (%)	..	73	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.3	2.4
Telecommunications investment (% of revenue)	25.3	30.5	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	1.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	9.7	63.5	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	0.4	11.7
Households with a computer (%)	4.0	9.9	46.0
Households with Internet access at home (%)	1.4	8.6	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.8	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	112.5	293.4
Individuals using the Internet (%)	1.1	21.3	47.7
Quality			
Population covered by a mobile-cellular network (%)	40	90	99
International Internet bandwidth (bit/s per Internet user)	359	4,250	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.5	8.9
Mobile-cellular sub-basket (\$ a month)	..	19.5	12.4
Fixed-broadband sub-basket (\$ a month)	..	50.8	17.3
Trade			
ICT goods exports (% of total goods exports)	..	..	18.0
ICT goods imports (% of total goods imports)	..	..	15.1
ICT service exports (% of total service exports)	9.3	2.9	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.33	0.30	0.37
Secure Internet servers (per million people)	0.3	4.5	23.3

Antigua and Barbuda

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.08	0.09	1,399
Urban population (% of total)	29	24	81
GNI per capita, World Bank Atlas method (\$)	11,920	13,360	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.8	-1.0	1.1
Adult literacy rate (% ages 15 and older)	99	99	99
Gross primary, secondary, tertiary school enrollment (%)	..	82	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	44.2	35.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	104.2	120.0	123.3
Fixed-broadband subscriptions (per 100 people)	7.0	15.1	28.0
Households with a computer (%)	..	56.1	80.3
Households with Internet access at home (%)	..	52.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	19.0	..
Domestic mobile traffic (minutes/subscriber/month)	..	231.1	188.0
Individuals using the Internet (%)	27.0	64.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	24,896	120,321	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.8	23.7
Mobile-cellular sub-basket (\$ a month)	..	19.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	54.9	26.9
Trade			
ICT goods exports (% of total goods exports)	4.6	4.9	8.2
ICT goods imports (% of total goods imports)	3.9	2.3	10.5
ICT service exports (% of total service exports)	9.6	6.7	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.42	0.67
Secure Internet servers (per million people)	859.9	363.0	928.0

Argentina

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	39	43	1,399
Urban population (% of total)	90	92	81
GNI per capita, World Bank Atlas method (\$)	4,990	14,160	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	4.6	1.1
Adult literacy rate (% ages 15 and older)	97	98	99
Gross primary, secondary, tertiary school enrollment (%)	89	105	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
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)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.4	2.6
Telecommunications investment (% of revenue)	..	12.8	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.4	22.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	57.3	158.7	123.3
Fixed-broadband subscriptions (per 100 people)	2.4	14.7	28.0
Households with a computer (%)	32.0	62.1	80.3
Households with Internet access at home (%)	13.3	52.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	90.1	188.0
Individuals using the Internet (%)	17.7	64.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	94	..	100
International Internet bandwidth (bit/s per Internet user)	1,788	48,065	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.4	23.7
Mobile-cellular sub-basket (\$ a month)	..	33.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	40.3	26.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	8.2
ICT goods imports (% of total goods imports)	11.6	8.5	10.5
ICT service exports (% of total service exports)	31.1	42.1	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.58	0.55	0.67
Secure Internet servers (per million people)	10.7	52.7	928.0

Armenia

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	3	2,879
Urban population (% of total)	64	63	39
GNI per capita, World Bank Atlas method (\$)	1,520	3,780	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	12.3	3.0	5.9
Adult literacy rate (% ages 15 and older)	99	100	73
Gross primary, secondary, tertiary school enrollment (%)	73	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
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)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.9	2.3
Telecommunications investment (% of revenue)	23.6	21.1	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	19.7	18.9	4.0
Mobile-cellular telephone subscriptions (per 100 people)	10.5	115.9	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	9.1	2.4
Households with a computer (%)	5.5 ^a	51.5	17.0
Households with Internet access at home (%)	2.9	46.6	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	19.8	8.8
Domestic mobile traffic (minutes/subscriber/month)	58.0	188.3	147.6
Individuals using the Internet (%)	5.3	46.3	22.6
Quality			
Population covered by a mobile-cellular network (%)	85	100	94
International Internet bandwidth (bit/s per Internet user)	459	44,534	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.7	5.0
Mobile-cellular sub-basket (\$ a month)	..	8.2	7.7
Fixed-broadband sub-basket (\$ a month)	..	11.0	18.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	6.2
ICT goods imports (% of total goods imports)	3.6	3.0	8.0
ICT service exports (% of total service exports)	13.7	11.1	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.61	0.24
Secure Internet servers (per million people)	1.3	40.9	5.9

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.10	0.10	1,399
Urban population (% of total)	45	42	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.0	..	1.1
Adult literacy rate (% ages 15 and older)	97	97	99
Gross primary, secondary, tertiary school enrollment (%)	84	86	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.6	..	2.6
Telecommunications investment (% of revenue)	10.8	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	38.2	33.8	39.9
Mobile-cellular telephone subscriptions (per 100 people)	103.4	135.1	123.3
Fixed-broadband subscriptions (per 100 people)	12.3	18.7	28.0
Households with a computer (%)	45.0	73.1	80.3
Households with Internet access at home (%)	36.7	69.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	25.4	83.8	80.6
Quality			
Population covered by a mobile-cellular network (%)	90	..	100
International Internet bandwidth (bit/s per Internet user)	7,084	67,578	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	0.4	8.2
ICT goods imports (% of total goods imports)	..	5.3	10.5
ICT service exports (% of total service exports)	10.2	14.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	289.9	338.4	928.0

Australia

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	20	23	1,399
Urban population (% of total)	88	89	81
GNI per capita, World Bank Atlas method (\$)	30,320	64,680	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.4	2.7	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	112	115	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.8	2.5	2.6
Telecommunications investment (% of revenue)	16.7	20.5	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.3	38.9	39.9
Mobile-cellular telephone subscriptions (per 100 people)	89.8	131.2	123.3
Fixed-broadband subscriptions (per 100 people)	9.8	25.8	28.0
Households with a computer (%)	67.0	85.6	80.3
Households with Internet access at home (%)	56.0	86.9	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	63.0	84.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	98	99	100
International Internet bandwidth (bit/s per Internet user)	7,794	75,069	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	30.8	23.7
Mobile-cellular sub-basket (\$ a month)	..	19.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	53.1	26.9
Trade			
ICT goods exports (% of total goods exports)	1.7	0.9	8.2
ICT goods imports (% of total goods imports)	11.8	8.9	10.5
ICT service exports (% of total service exports)	16.1	18.2	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.81	0.93	0.67
Secure Internet servers (per million people)	498.1	1,348.6	928.0

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	8	9	1,399
Urban population (% of total)	66	66	81
GNI per capita, World Bank Atlas method (\$)	38,500	50,390	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.7	1.0	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	88	95	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.3	2.6
Telecommunications investment (% of revenue)	12.7	12.7	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.4	38.3	39.9
Mobile-cellular telephone subscriptions (per 100 people)	105.2	151.9	123.3
Fixed-broadband subscriptions (per 100 people)	14.2	27.5	28.0
Households with a computer (%)	63.1	83.7	80.3
Households with Internet access at home (%)	46.7	81.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	16.1	..	..
Domestic mobile traffic (minutes/subscriber/month)	107.5	141.5	188.0
Individuals using the Internet (%)	58.0	81.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
International Internet bandwidth (bit/s per Internet user)	11,430	79,636	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.5	23.7
Mobile-cellular sub-basket (\$ a month)	..	13.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	25.4	26.9
Trade			
ICT goods exports (% of total goods exports)	5.5	4.2	8.2
ICT goods imports (% of total goods imports)	7.7	5.2	10.5
ICT service exports (% of total service exports)	24.8	31.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.75	0.67
Secure Internet servers (per million people)	231.7	1,267.7	928.0

Azerbaijan

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	8	10	2,361
Urban population (% of total)	52	54	62
GNI per capita, World Bank Atlas method (\$)	1,270	7,590	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	12.7	8.4	6.0
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	72	71	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	2.4	2.4
Telecommunications investment (% of revenue)	6.8	18.2	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.8	18.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	26.2	110.9	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	19.8	11.7
Households with a computer (%)	7.3	51.7	46.0
Households with Internet access at home (%)	6.3	54.6	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.6	6.0	1.6
Domestic mobile traffic (minutes/subscriber/month)	3.1	192.7	293.4
Individuals using the Internet (%)	8.0	61.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	99	100	99
International Internet bandwidth (bit/s per Internet user)	436	32,219	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.5	8.9
Mobile-cellular sub-basket (\$ a month)	..	10.5	12.4
Fixed-broadband sub-basket (\$ a month)	..	12.7	17.3
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	18.0
ICT goods imports (% of total goods imports)	4.6	2.4	15.1
ICT service exports (% of total service exports)	38.8	12.9	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.46	0.43	0.37
Secure Internet servers (per million people)	0.5	13.5	23.3

Bahamas, The

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.33	0.38	1,399
Urban population (% of total)	82	83	81
GNI per capita, World Bank Atlas method (\$)	23,510	20,980	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.3	0.0	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	R	
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)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.4	36.0	39.9
Mobile-cellular telephone subscriptions (per 100 people)	69.2	71.4	123.3
Fixed-broadband subscriptions (per 100 people)	4.1	4.1	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	25.0	76.9	80.6
Quality			
Population covered by a mobile-cellular network (%)	95	100	100
International Internet bandwidth (bit/s per Internet user)	1,094	3,738	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.3	23.7
Mobile-cellular sub-basket (\$ a month)	..	17.5	18.7
Fixed-broadband sub-basket (\$ a month)	..	30.0	26.9
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	8.2
ICT goods imports (% of total goods imports)	3.2	2.9	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.34	0.67
Secure Internet servers (per million people)	148.8	255.8	928.0

Bahrain

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.87	1	1,399
Urban population (% of total)	88	89	81
GNI per capita, World Bank Atlas method (\$)	16,970	21,050	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.3	4.5	1.1
Adult literacy rate (% ages 15 and older)	87	95	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.9	3.4	2.6
Telecommunications investment (% of revenue)	14.9	15.9	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	22.0	21.2	39.9
Mobile-cellular telephone subscriptions (per 100 people)	87.2	173.3	123.3
Fixed-broadband subscriptions (per 100 people)	2.4	21.4	28.0
Households with a computer (%)	44.0	94.6	80.3
Households with Internet access at home (%)	32.0	81.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	114.6	..
Domestic mobile traffic (minutes/subscriber/month)	117.3	236.8	188.0
Individuals using the Internet (%)	21.3	91.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	2,183	49,054	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.8	23.7
Mobile-cellular sub-basket (\$ a month)	..	12.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	26.6	26.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.6	8.2
ICT goods imports (% of total goods imports)	2.1	3.3	10.5
ICT service exports (% of total service exports)	25.1	21.6	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.94	0.67
Secure Internet servers (per million people)	40.4	177.0	928.0

Bangladesh

South Asia

Lower-middle-income

	Country data		Lower-middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	143	159	2,879
Urban population (% of total)	27	34	39
GNI per capita, World Bank Atlas method (\$)	540	1,080	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.9	6.1	5.9
Adult literacy rate (% ages 15 and older)	47	60	73
Gross primary, secondary, tertiary school enrollment (%)	51	59	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	1.3	2.2	2.3
Telecommunications investment (% of revenue)	..	45.9	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.7	0.7	4.0
Mobile-cellular telephone subscriptions (per 100 people)	6.3	75.9	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	1.2	2.4
Households with a computer (%)	1.4	6.9	17.0
Households with Internet access at home (%)	0.2	6.5	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	18.6	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	145.7	147.6
Individuals using the Internet (%)	0.2	9.6	22.6
Quality			
Population covered by a mobile-cellular network (%)	80	99	94
International Internet bandwidth (bit/s per Internet user)	173	5,925	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.6	5.0
Mobile-cellular sub-basket (\$ a month)	..	1.4	7.7
Fixed-broadband sub-basket (\$ a month)	..	4.4	18.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	6.2
ICT goods imports (% of total goods imports)	6.2	3.4	8.0
ICT service exports (% of total service exports)	18.6	27.0	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.35	0.24
Secure Internet servers (per million people)	0.0	0.9	5.9

Barbados

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.27	0.28	1,399
Urban population (% of total)	33	32	81
GNI per capita, World Bank Atlas method (\$)	13,620	14,960	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.2	-1.5	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	94	96	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	M	
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)	4.6	..	2.6
Telecommunications investment (% of revenue)	14.0	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.3	52.9	39.9
Mobile-cellular telephone subscriptions (per 100 people)	75.4	106.8	123.3
Fixed-broadband subscriptions (per 100 people)	11.7	27.0	28.0
Households with a computer (%)	42.6	70.0	80.3
Households with Internet access at home (%)	37.2	70.5	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	52.5	76.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	3,481	113,985	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	22.0	23.7
Mobile-cellular sub-basket (\$ a month)	..	21.7	18.7
Fixed-broadband sub-basket (\$ a month)	..	42.5	26.9
Trade			
ICT goods exports (% of total goods exports)	4.9	0.7	8.2
ICT goods imports (% of total goods imports)	7.8	5.4	10.5
ICT service exports (% of total service exports)	15.3	25.9	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.22	0.67
Secure Internet servers (per million people)	204.4	405.8	928.0

Belarus

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	10	9	2,361
Urban population (% of total)	72	76	62
GNI per capita, World Bank Atlas method (\$)	2,820	7,340	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.6	5.0	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	100	80
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	C	M	
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)	1.3	1.7	2.4
Telecommunications investment (% of revenue)	41.3	26.8	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	34.0	48.5	17.6
Mobile-cellular telephone subscriptions (per 100 people)	42.4	122.5	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	28.8	11.7
Households with a computer (%)	9.6	59.9	46.0
Households with Internet access at home (%)	7.0	57.1	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.6	5.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	116.2	168.2	293.4
Individuals using the Internet (%)	19.7	59.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	90	100	99
International Internet bandwidth (bit/s per Internet user)	1,356	142,536	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.0	8.9
Mobile-cellular sub-basket (\$ a month)	..	7.0	12.4
Fixed-broadband sub-basket (\$ a month)	..	8.8	17.3
Trade			
ICT goods exports (% of total goods exports)	1.0	0.7	18.0
ICT goods imports (% of total goods imports)	2.4	3.6	15.1
ICT service exports (% of total service exports)	15.0	20.2	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.32	0.37
Secure Internet servers (per million people)	0.5	44.6	23.3

Belgium

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	10	11	1,399
Urban population (% of total)	97	98	81
GNI per capita, World Bank Atlas method (\$)	37,630	47,030	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.8	0.9	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	93	118	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	1.6	2.6
Telecommunications investment (% of revenue)	11.6	23.4	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.6	42.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	91.4	114.3	123.3
Fixed-broadband subscriptions (per 100 people)	19.1	36.0	28.0
Households with a computer (%)	57.0	83.8	80.3
Households with Internet access at home (%)	50.2	82.8	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	70.2	93.6	188.0
Individuals using the Internet (%)	55.8	85.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	20,038	263,915	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	36.5	23.7
Mobile-cellular sub-basket (\$ a month)	..	34.2	18.7
Fixed-broadband sub-basket (\$ a month)	..	33.1	26.9
Trade			
ICT goods exports (% of total goods exports)	3.9	1.7	8.2
ICT goods imports (% of total goods imports)	4.6	2.8	10.5
ICT service exports (% of total service exports)	34.5	45.9	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.68	0.68	0.67
Secure Internet servers (per million people)	117.9	854.2	928.0

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	0.28	0.35	2,361
Urban population (% of total)	46	44	62
GNI per capita, World Bank Atlas method (\$)	3,680	4,350	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.7	2.4	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	79	81	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
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	4.6	2.4
Telecommunications investment (% of revenue)	23.8	19.4	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.4	6.7	17.6
Mobile-cellular telephone subscriptions (per 100 people)	35.3	50.7	101.4
Fixed-broadband subscriptions (per 100 people)	1.8	3.0	11.7
Households with a computer (%)	..	31.0	46.0
Households with Internet access at home (%)	..	21.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	..	34.3	1.6
Domestic mobile traffic (minutes/subscription/month)	15.3	..	293.4
Individuals using the Internet (%)	17.0	38.7	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	..	99
International Internet bandwidth (bit/s per Internet user)	2,920	41,829	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	20.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	31.3	12.4
Fixed-broadband sub-basket (\$ a month)	..	50.0	17.3
Trade			
ICT goods exports (% of total goods exports)	0.0	0.3	18.0
ICT goods imports (% of total goods imports)	5.9	2.8	15.1
ICT service exports (% of total service exports)	12.3	11.7	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.38	0.37
Secure Internet servers (per million people)	264.8	210.4	23.3

Benin

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	8	11	622
Urban population (% of total)	40	44	30
GNI per capita, World Bank Atlas method (\$)	530	810	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.0	4.1	6.1
Adult literacy rate (% ages 15 and older)	29	..	57
Gross primary, secondary, tertiary school enrollment (%)	54	68	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	6.0	..
Telecommunications investment (% of revenue)	35.0	40.5	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.9	1.8	0.9
Mobile-cellular telephone subscriptions (per 100 people)	7.3	101.7	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.4	0.2
Households with a computer (%)	1.6	4.8	4.5
Households with Internet access at home (%)	0.0	3.5	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	6.2	..
Domestic mobile traffic (minutes/subscriber/month)	..	33.4	39.8
Individuals using the Internet (%)	1.3	5.3	6.3
Quality			
Population covered by a mobile-cellular network (%)	43	99	..
International Internet bandwidth (bit/s per Internet user)	452	2,839	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.8	8.7
Mobile-cellular sub-basket (\$ a month)	..	13.8	11.7
Fixed-broadband sub-basket (\$ a month)	..	50.6	44.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	..
ICT goods imports (% of total goods imports)	2.9	1.6	2.7
ICT service exports (% of total service exports)	20.1	17.2	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.11	0.11
Secure Internet servers (per million people)	0.1	2.2	1.2

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.06	0.07	1,399
Urban population (% of total)	100	100	81
GNI per capita, World Bank Atlas method (\$)	117,640	106,140	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.3	-1.6	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	71	66	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	..	2.6
Telecommunications investment (% of revenue)	11.3	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	81.8	44.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	82.2	90.9	123.3
Fixed-broadband subscriptions (per 100 people)	28.8	61.7	28.0
Households with a computer (%)	67.9	94.0	80.3
Households with Internet access at home (%)	58.8	85.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	194.8	..	188.0
Individuals using the Internet (%)	65.4	96.8	80.6
Quality			
Population covered by a mobile-cellular network (%)	98	..	100
International Internet bandwidth (bit/s per Internet user)	10,554	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	9.6	8.2
ICT goods imports (% of total goods imports)	..	2.9	10.5
ICT service exports (% of total service exports)	37.2	41.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	1,699.0	6,489.6	928.0

Bhutan

	South Asia		Lower middle income
			Lower middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	0.65	0.77	2,879
Urban population (% of total)	31	38	39
GNI per capita, World Bank Atlas method (\$)	1,220	2,390	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.9	7.7	5.9
Adult literacy rate (% ages 15 and older)	53	..	73
Gross primary, secondary, tertiary school enrollment (%)	54	69	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.7	2.3
Telecommunications investment (% of revenue)	81.1	35.1	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.1	3.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	5.5	82.1	87.1
Fixed-broadband subscriptions (per 100 people)	..	3.3	2.4
Households with a computer (%)	2.6	21.9	17.0
Households with Internet access at home (%)	1.2	26.3	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	21.3	8.8
Domestic mobile traffic (minutes/subscriber/month)	56.1	106.9	147.6
Individuals using the Internet (%)	3.8	34.4	22.6
Quality			
Population covered by a mobile-cellular network (%)	5	100	94
International Internet bandwidth (bit/s per Internet user)	240	2,546	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	2.8	7.7
Fixed-broadband sub-basket (\$ a month)	..	8.5	18.6
Trade			
ICT goods exports (% of total goods exports)	0.9	15.9	6.2
ICT goods imports (% of total goods imports)	5.3	2.4	8.0
ICT service exports (% of total service exports)	5.7	2.0	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.24	0.24
Secure Internet servers (per million people)	..	14.4	5.9

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	9	11	2,879
Urban population (% of total)	64	68	39
GNI per capita, World Bank Atlas method (\$)	1,030	2,910	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.1	5.0	5.9
Adult literacy rate (% ages 15 and older)	91	94	73
Gross primary, secondary, tertiary school enrollment (%)	79	..	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	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)	R	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.6	4.1	2.3
Telecommunications investment (% of revenue)	3.8	21.1	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.9	8.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	25.9	96.3	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	1.6	2.4
Households with a computer (%)	12.1	34.9	17.0
Households with Internet access at home (%)	3.5	17.0	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.8	8.8
Domestic mobile traffic (minutes/subscriber/month)	20.8	32.3	147.6
Individuals using the Internet (%)	5.2	39.0	22.6
Quality			
Population covered by a mobile-cellular network (%)	46	100	94
International Internet bandwidth (bit/s per Internet user)	814	15,502	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	24.1	5.0
Mobile-cellular sub-basket (\$ a month)	..	11.4	7.7
Fixed-broadband sub-basket (\$ a month)	..	25.0	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	3.9	2.7	8.0
ICT service exports (% of total service exports)	6.6	8.5	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.39	0.24
Secure Internet servers (per million people)	2.4	12.9	5.9

Bosnia and Herzegovina

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	4	2,361
Urban population (% of total)	39	40	62
GNI per capita, World Bank Atlas method (\$)	2,970	4,780	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.0	1.6	6.0
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	P	
Internet service	M	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	4.6	2.4
Telecommunications investment (% of revenue)	36.5	22.6	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.0	22.2	17.6
Mobile-cellular telephone subscriptions (per 100 people)	41.1	91.3	101.4
Fixed-broadband subscriptions (per 100 people)	0.4	14.1	11.7
Households with a computer (%)	20.0	45.0	46.0
Households with Internet access at home (%)	6.2	50.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	15.3	1.6
Domestic mobile traffic (minutes/subscriber/month)	36.3	62.8	293.4
Individuals using the Internet (%)	21.3	60.8	47.7
Quality			
Population covered by a mobile-cellular network (%)	97	100	99
International Internet bandwidth (bit/s per Internet user)	187	43,003	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.8	8.9
Mobile-cellular sub-basket (\$ a month)	..	14.7	12.4
Fixed-broadband sub-basket (\$ a month)	..	7.9	17.3
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	18.0
ICT goods imports (% of total goods imports)	4.2	2.8	15.1
ICT service exports (% of total service exports)	18.1	5.4	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.28	0.37
Secure Internet servers (per million people)	3.4	35.9	23.3

Botswana

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	2	2,361
Urban population (% of total)	55	57	62
GNI per capita, World Bank Atlas method (\$)	4,760	7,240	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.9	4.7	6.0
Adult literacy rate (% ages 15 and older)	81	87	94
Gross primary, secondary, tertiary school enrollment (%)	72	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	3.2	4.1	2.4
Telecommunications investment (% of revenue)	48.9	14.4	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.3	8.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	30.1	167.3	101.4
Fixed-broadband subscriptions (per 100 people)	0.1	1.6	11.7
Households with a computer (%)	6.5	14.8	46.0
Households with Internet access at home (%)	0.1	12.1	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	45.5	56.4	293.4
Individuals using the Internet (%)	3.3	18.5	47.7
Quality			
Population covered by a mobile-cellular network (%)	99	96	99
International Internet bandwidth (bit/s per Internet user)	490	16,437	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.2	8.9
Mobile-cellular sub-basket (\$ a month)	..	10.6	12.4
Fixed-broadband sub-basket (\$ a month)	..	39.0	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	18.0
ICT goods imports (% of total goods imports)	4.7	2.2	15.1
ICT service exports (% of total service exports)	12.8	33.8	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.36	0.31	0.37
Secure Internet servers (per million people)	1.6	11.3	23.3

Brazil

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	188	206	2,361
Urban population (% of total)	83	85	62
GNI per capita, World Bank Atlas method (\$)	3,900	11,530	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.9	3.6	6.0
Adult literacy rate (% ages 15 and older)	90	91	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	C	
Internet service	M	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)	4.1	2.7	2.4
Telecommunications investment (% of revenue)	17.4	13.1	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	21.4	21.8	17.6
Mobile-cellular telephone subscriptions (per 100 people)	46.3	139.0	101.4
Fixed-broadband subscriptions (per 100 people)	1.7	11.5	11.7
Households with a computer (%)	18.5	52.0	46.0
Households with Internet access at home (%)	13.6	48.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	0.2	1.6
Domestic mobile traffic (minutes/subscriber/month)	30.9	56.9	293.4
Individuals using the Internet (%)	21.0	57.6	47.7
Quality			
Population covered by a mobile-cellular network (%)	88	100	99
International Internet bandwidth (bit/s per Internet user)	716	42,966	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	24.3	8.9
Mobile-cellular sub-basket (\$ a month)	..	48.3	12.4
Fixed-broadband sub-basket (\$ a month)	..	13.8	17.3
Trade			
ICT goods exports (% of total goods exports)	3.1	0.5	18.0
ICT goods imports (% of total goods imports)	12.1	8.6	15.1
ICT service exports (% of total service exports)	43.0	57.2	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.60	0.37
Secure Internet servers (per million people)	14.0	68.6	23.3

Brunei Darussalam

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.36	0.42	1,399
Urban population (% of total)	74	77	81
GNI per capita, World Bank Atlas method (\$)	23,290	37,320	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	0.9	1.1
Adult literacy rate (% ages 15 and older)	93	96	99
Gross primary, secondary, tertiary school enrollment (%)	81	80	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
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)	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)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	22.8	11.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	63.3	110.1	123.3
Fixed-broadband subscriptions (per 100 people)	2.2	7.1	28.0
Households with a computer (%)	55.0	92.0	80.3
Households with Internet access at home (%)	50.0	79.2	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	36.5	68.8	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	4,138	68,720	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.5	23.7
Mobile-cellular sub-basket (\$ a month)	..	19.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	52.0	26.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	8.2
ICT goods imports (% of total goods imports)	6.1	4.9	10.5
ICT service exports (% of total service exports)	17.0	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.36	0.67
Secure Internet servers (per million people)	13.8	150.9	928.0

Bulgaria

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	8	7	2,361
Urban population (% of total)	71	74	62
GNI per capita, World Bank Atlas method (\$)	3,700	7,420	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.3	1.6	6.0
Adult literacy rate (% ages 15 and older)	98	98	94
Gross primary, secondary, tertiary school enrollment (%)	77	88	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	C	M	
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)	6.0	2.8	2.4
Telecommunications investment (% of revenue)	34.5	23.7	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	32.4	25.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	81.3	137.7	101.4
Fixed-broadband subscriptions (per 100 people)	2.2	20.7	11.7
Households with a computer (%)	17.9 ^a	57.9	46.0
Households with Internet access at home (%)	13.3	56.7	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.9	7.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	37.8	128.9	293.4
Individuals using the Internet (%)	20.0	55.5	47.7
Quality			
Population covered by a mobile-cellular network (%)	100	100	99
International Internet bandwidth (bit/s per Internet user)	888	138,277	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.4	8.9
Mobile-cellular sub-basket (\$ a month)	..	33.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	11.4	17.3
Trade			
ICT goods exports (% of total goods exports)	1.5	2.3	18.0
ICT goods imports (% of total goods imports)	5.5	4.7	15.1
ICT service exports (% of total service exports)	12.5	18.5	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.24	0.37
Secure Internet servers (per million people)	8.7	176.7	23.3

Burkina Faso

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	13	18	622
Urban population (% of total)	22	29	30
GNI per capita, World Bank Atlas method (\$)	410	710	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.2	6.2	6.1
Adult literacy rate (% ages 15 and older)	24	..	57
Gross primary, secondary, tertiary school enrollment (%)	29	47	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	P	
Internet service	M	M	
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)	3.5	..	..
Telecommunications investment (% of revenue)	55.8	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.7	0.7	0.9
Mobile-cellular telephone subscriptions (per 100 people)	4.7	71.7	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	1.4	4.6	4.5
Households with Internet access at home (%)	0.0	8.3	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	27.7	29.6	39.8
Individuals using the Internet (%)	0.5	9.4	6.3
Quality			
Population covered by a mobile-cellular network (%)	26	..	..
International Internet bandwidth (bit/s per Internet user)	1,142	2,860	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.2	8.7
Mobile-cellular sub-basket (\$ a month)	..	11.7	11.7
Fixed-broadband sub-basket (\$ a month)	..	44.5	44.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.0	..
ICT goods imports (% of total goods imports)	4.5	1.9	2.7
ICT service exports (% of total service exports)	8.9	21.1	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.15	0.30	0.11
Secure Internet servers (per million people)	0.1	0.6	1.2

Burundi

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	8	11	622
Urban population (% of total)	9	12	30
GNI per capita, World Bank Atlas method (\$)	130	270	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	4.3	6.1
Adult literacy rate (% ages 15 and older)	59	..	57
Gross primary, secondary, tertiary school enrollment (%)	36	64	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	3.5	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.4	0.2	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.0	30.5	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.0	0.2
Households with a computer (%)	..	..	4.5
Households with Internet access at home (%)	..	..	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.9	..
Domestic mobile traffic (minutes/subscriber/month)	..	35.1	39.8
Individuals using the Internet (%)	0.5	1.4	6.3
Quality			
Population covered by a mobile-cellular network (%)	82	..	..
International Internet bandwidth (bit/s per Internet user)	95	6,913	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.4	8.7
Mobile-cellular sub-basket (\$ a month)	..	7.4	11.7
Fixed-broadband sub-basket (\$ a month)	..	51.4	44.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	..
ICT goods imports (% of total goods imports)	5.6	1.9	2.7
ICT service exports (% of total service exports)	..	14.1	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.18	0.02	0.11
Secure Internet servers (per million people)	0.1	0.6	1.2

Cabo Verde

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.47	0.51	2,879
Urban population (% of total)	58	65	39
GNI per capita, World Bank Atlas method (\$)	2,110	3,450	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.9	3.7	5.9
Adult literacy rate (% ages 15 and older)	80	85	73
Gross primary, secondary, tertiary school enrollment (%)	71	79	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	C	
Internet service	C	M	
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	8.2	2.3
Telecommunications investment (% of revenue)	19.1	23.9	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	15.0	11.6	4.0
Mobile-cellular telephone subscriptions (per 100 people)	17.1	121.8	87.1
Fixed-broadband subscriptions (per 100 people)	0.2	3.8	2.4
Households with a computer (%)	6.7	32.2	17.0
Households with Internet access at home (%)	1.4	24.8	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	33.8	22.6	8.8
Domestic mobile traffic (minutes/subscriber/month)	46.6	72.1	147.6
Individuals using the Internet (%)	6.1	40.3	22.6
Quality			
Population covered by a mobile-cellular network (%)	85	96	94
International Internet bandwidth (bit/s per Internet user)	482	12,330	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.9	5.0
Mobile-cellular sub-basket (\$ a month)	..	31.4	7.7
Fixed-broadband sub-basket (\$ a month)	..	10.7	18.6
Trade			
ICT goods exports (% of total goods exports)	0.5	..	6.2
ICT goods imports (% of total goods imports)	3.9	3.9	8.0
ICT service exports (% of total service exports)	7.8	9.4	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.17	0.24
Secure Internet servers (per million people)	2.1	50.6	5.9

Cambodia

East Asia & Pacific

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	13	15	622
Urban population (% of total)	19	21	30
GNI per capita, World Bank Atlas method (\$)	460	1,020	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	9.1	6.4	6.1
Adult literacy rate (% ages 15 and older)	74	..	57
Gross primary, secondary, tertiary school enrollment (%)	62	..	59
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
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	2.8	0.9
Mobile-cellular telephone subscriptions (per 100 people)	8.0	155.1	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.2	0.2
Households with a computer (%)	1.8	10.6	4.5
Households with Internet access at home (%)	..	7.0	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	11.1	..	39.8
Individuals using the Internet (%)	0.3	9.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	75	99	..
International Internet bandwidth (bit/s per Internet user)	425	9,374	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.8	8.7
Mobile-cellular sub-basket (\$ a month)	..	6.3	11.7
Fixed-broadband sub-basket (\$ a month)	..	11.9	44.9
Trade			
ICT goods exports (% of total goods exports)	0.0	1.2	..
ICT goods imports (% of total goods imports)	2.3	1.5	2.7
ICT service exports (% of total service exports)	6.5	8.4	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.30	0.17	0.11
Secure Internet servers (per million people)	0.1	3.0	1.2

Cameroon

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	18	23	2,879
Urban population (% of total)	49	54	39
GNI per capita, World Bank Atlas method (\$)	900	1,360	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.8	3.7	5.9
Adult literacy rate (% ages 15 and older)	71	71	73
Gross primary, secondary, tertiary school enrollment (%)	51	62	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.3	2.3
Telecommunications investment (% of revenue)	28.3	24.2	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	4.6	4.0
Mobile-cellular telephone subscriptions (per 100 people)	12.4	75.7	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	2.4
Households with a computer (%)	3.0	9.6	17.0
Households with Internet access at home (%)	1.1	6.5	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.4	8.8
Domestic mobile traffic (minutes/subscriber/month)	1.6	9.3	147.6
Individuals using the Internet (%)	1.4	11.0	22.6
Quality			
Population covered by a mobile-cellular network (%)	54	..	94
International Internet bandwidth (bit/s per Internet user)	609	1,796	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	20.2	5.0
Mobile-cellular sub-basket (\$ a month)	..	17.7	7.7
Fixed-broadband sub-basket (\$ a month)	..	60.5	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	3.3	2.7	8.0
ICT service exports (% of total service exports)	19.1	26.4	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.20	0.24
Secure Internet servers (per million people)	0.1	1.7	5.9

Canada

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	32	36	1,399
Urban population (% of total)	80	82	81
GNI per capita, World Bank Atlas method (\$)	33,950	51,690	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.5	1.6	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.4	2.6
Telecommunications investment (% of revenue)	16.2	20.5	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	56.3	46.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	52.8	83.0	123.3
Fixed-broadband subscriptions (per 100 people)	21.7	34.4	28.0
Households with a computer (%)	72.0	87.6	80.3
Households with Internet access at home (%)	64.3	86.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	396.6	188.0
Individuals using the Internet (%)	71.7	87.1	80.6
Quality			
Population covered by a mobile-cellular network (%)	97	99	100
International Internet bandwidth (bit/s per Internet user)	9,411	129,244	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	29.1	23.7
Mobile-cellular sub-basket (\$ a month)	..	32.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	45.6	26.9
Trade			
ICT goods exports (% of total goods exports)	3.9	2.1	8.2
ICT goods imports (% of total goods imports)	9.1	7.3	10.5
ICT service exports (% of total service exports)	39.3	42.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.82	0.91	0.67
Secure Internet servers (per million people)	569.1	1,210.0	928.0

Cayman Islands

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.05	0.06	1,399
Urban population (% of total)	100	100	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	99	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	29.6	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	78.2	55.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	166.5	153.7	123.3
Fixed-broadband subscriptions (per 100 people)	..	39.6	28.0
Households with a computer (%)	54.8	74.3	80.3
Households with Internet access at home (%)	50.7	66.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	38.0	74.1	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	843.2	2,366.0	928.0

Central African Republic

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	622
Urban population (% of total)	38	40	30
GNI per capita, World Bank Atlas method (\$)	340	330	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.5	-1.7	6.1
Adult literacy rate (% ages 15 and older)	51	37	57
Gross primary, secondary, tertiary school enrollment (%)	..	43	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	C	
Internet service	M	C	
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)	1.1	2.2	..
Telecommunications investment (% of revenue)	..	56.3	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.0	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.5	31.4	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.0	0.2
Households with a computer (%)	..	3.2	4.5
Households with Internet access at home (%)	..	2.7	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	5.2	..
Domestic mobile traffic (minutes/subscriber/month)	..	29.8	39.8
Individuals using the Internet (%)	0.3	4.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	19	63	..
International Internet bandwidth (bit/s per Internet user)	145	116	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.9	8.7
Mobile-cellular sub-basket (\$ a month)	..	13.8	11.7
Fixed-broadband sub-basket (\$ a month)	..	585.0	44.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	..
ICT goods imports (% of total goods imports)	2.4	5.3	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.14	0.04	0.11
Secure Internet servers (per million people)	0.2	0.2	1.2

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	10	14	622
Urban population (% of total)	22	22	30
GNI per capita, World Bank Atlas method (\$)	470	980	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	17.2	5.4	6.1
Adult literacy rate (% ages 15 and older)	28	38	57
Gross primary, secondary, tertiary school enrollment (%)	36	47	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	2.4	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.1	0.2	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.1	39.8	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.1	0.2
Households with a computer (%)	..	2.9	4.5
Households with Internet access at home (%)	..	2.7	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.1	..
Domestic mobile traffic (minutes/subscriber/month)	..	38.9	39.8
Individuals using the Internet (%)	0.4	2.5	6.3
Quality			
Population covered by a mobile-cellular network (%)	24	36	..
International Internet bandwidth (bit/s per Internet user)	88	733	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.7	8.7
Mobile-cellular sub-basket (\$ a month)	..	15.4	11.7
Fixed-broadband sub-basket (\$ a month)	..	11.8	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.10	0.05	0.11
Secure Internet servers (per million people)	..	0.1	1.2

Channel Islands

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.15	0.16	1,399
Urban population (% of total)	31	31	81
GNI per capita, World Bank Atlas method (\$)	55,320	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-1.2	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	..	39.9
Mobile-cellular telephone subscriptions (per 100 people)	..	..	123.3
Fixed-broadband subscriptions (per 100 people)	..	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	..	..	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	..	..	928.0

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	16	18	1,399
Urban population (% of total)	87	89	81
GNI per capita, World Bank Atlas method (\$)	6,340	14,910	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	3.9	1.1
Adult literacy rate (% ages 15 and older)	96	97	99
Gross primary, secondary, tertiary school enrollment (%)	83	93	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	..	3.8	2.6
Telecommunications investment (% of revenue)	..	19.4	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	21.0	19.2	39.9
Mobile-cellular telephone subscriptions (per 100 people)	64.7	133.3	123.3
Fixed-broadband subscriptions (per 100 people)	4.3	14.1	28.0
Households with a computer (%)	30.1	60.3	80.3
Households with Internet access at home (%)	16.7	53.9	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.7	1.6	..
Domestic mobile traffic (minutes/subscriber/month)	55.9	104.4	188.0
Individuals using the Internet (%)	31.2 ^a	72.4	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	95	100
International Internet bandwidth (bit/s per Internet user)	2,494	73,102	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	30.3	23.7
Mobile-cellular sub-basket (\$ a month)	..	25.2	18.7
Fixed-broadband sub-basket (\$ a month)	..	38.3	26.9
Trade			
ICT goods exports (% of total goods exports)	0.5	0.4	8.2
ICT goods imports (% of total goods imports)	8.2	7.6	10.5
ICT service exports (% of total service exports)	18.4	27.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.58	0.82	0.67
Secure Internet servers (per million people)	21.3	127.6	928.0

China

	East Asia & Pacific		Upper middle income
			Upper middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	1,304	1,364	2,361
Urban population (% of total)	43	54	62
GNI per capita, World Bank Atlas method (\$)	1,750	7,380	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	9.8	9.7	6.0
Adult literacy rate (% ages 15 and older)	91	95	94
Gross primary, secondary, tertiary school enrollment (%)	64	77	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	C	M	
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)	3.1	2.0	2.4
Telecommunications investment (% of revenue)	35.9	33.6	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.6	17.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	29.8	92.3	101.4
Fixed-broadband subscriptions (per 100 people)	2.8	13.6	11.7
Households with a computer (%)	25.0	46.7	46.0
Households with Internet access at home (%)	11.0	47.4	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	1.3	0.4	1.6
Domestic mobile traffic (minutes/subscriber/month)	132.5	415.4	293.4
Individuals using the Internet (%)	8.5	49.3	47.7
Quality			
Population covered by a mobile-cellular network (%)	97	99	99
International Internet bandwidth (bit/s per Internet user)	1,211	4,995	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.8	8.9
Mobile-cellular sub-basket (\$ a month)	..	4.0	12.4
Fixed-broadband sub-basket (\$ a month)	..	19.4	17.3
Trade			
ICT goods exports (% of total goods exports)	30.7	27.4	18.0
ICT goods imports (% of total goods imports)	25.3	20.5	15.1
ICT service exports (% of total service exports)	24.9	34.6	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.61	0.37
Secure Internet servers (per million people)	0.3	7.0	23.3

Colombia

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	43	48	2,361
Urban population (% of total)	74	76	62
GNI per capita, World Bank Atlas method (\$)	2,920	7,970	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.7	4.5	6.0
Adult literacy rate (% ages 15 and older)	93	94	94
Gross primary, secondary, tertiary school enrollment (%)	79	84	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
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	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	5.2	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	17.8	14.7	17.6
Mobile-cellular telephone subscriptions (per 100 people)	50.6	113.1	101.4
Fixed-broadband subscriptions (per 100 people)	0.7	10.3	11.7
Households with a computer (%)	14.6	44.5	46.0
Households with Internet access at home (%)	6.2	38.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	7.0	1.6
Domestic mobile traffic (minutes/subscriber/month)	48.4	325.0	293.4
Individuals using the Internet (%)	11.0	52.6	47.7
Quality			
Population covered by a mobile-cellular network (%)	82	100	99
International Internet bandwidth (bit/s per Internet user)	4,686	34,989	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.8	8.9
Mobile-cellular sub-basket (\$ a month)	..	21.1	12.4
Fixed-broadband sub-basket (\$ a month)	..	19.8	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	18.0
ICT goods imports (% of total goods imports)	13.0	9.9	15.1
ICT service exports (% of total service exports)	16.8	13.8	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.79	0.37
Secure Internet servers (per million people)	4.4	47.1	23.3

Comoros

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.62	0.77	622
Urban population (% of total)	28	28	30
GNI per capita, World Bank Atlas method (\$)	620	820	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.6	2.1	6.1
Adult literacy rate (% ages 15 and older)	68	77	57
Gross primary, secondary, tertiary school enrollment (%)	63	68	59
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone 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	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	5.7	..
Telecommunications investment (% of revenue)	25.6	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.8	3.1	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.6	50.9	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.2	0.2
Households with a computer (%)	3.0	7.6	4.5
Households with Internet access at home (%)	0.8	4.2	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	49.4	39.8
Individuals using the Internet (%)	2.0	7.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	40	..	..
International Internet bandwidth (bit/s per Internet user)	166	11,843	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.0	8.7
Mobile-cellular sub-basket (\$ a month)	..	13.5	11.7
Fixed-broadband sub-basket (\$ a month)	..	80.2	44.9
Trade			
ICT goods exports (% of total goods exports)	0.0	..	..
ICT goods imports (% of total goods imports)	2.7	..	2.7
ICT service exports (% of total service exports)	..	22.2	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.02	0.11
Secure Internet servers (per million people)	4.8	1.3	1.2

Congo, Dem. Rep.

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	56	75	622
Urban population (% of total)	37	42	30
GNI per capita, World Bank Atlas method (\$)	200	380	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	6.4	6.1
Adult literacy rate (% ages 15 and older)	61	75	57
Gross primary, secondary, tertiary school enrollment (%)	53	64	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.4	..
Telecommunications investment (% of revenue)	89.2	49.4	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.0	0.0	0.9
Mobile-cellular telephone subscriptions (per 100 people)	5.1	53.5	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.0	0.2
Households with a computer (%)	0.2	1.9	4.5
Households with Internet access at home (%)	0.2	2.0	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	9.5	2.6	..
Domestic mobile traffic (minutes/subscriber/month)	51.2	31.7	39.8
Individuals using the Internet (%)	0.2	3.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	50	50	..
International Internet bandwidth (bit/s per Internet user)	39	384	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.9	8.7
Mobile-cellular sub-basket (\$ a month)	..	11.9	11.7
Fixed-broadband sub-basket (\$ a month)	..	400.2	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	17.9	9.6	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.05	0.11
Secure Internet servers (per million people)	0.1	0.4	1.2

Congo, Rep.

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	2,879
Urban population (% of total)	61	65	39
GNI per capita, World Bank Atlas method (\$)	980	2,710	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.7	4.9	5.9
Adult literacy rate (% ages 15 and older)	..	79	73
Gross primary, secondary, tertiary school enrollment (%)	55	66	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone 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	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	3.2	2.3
Telecommunications investment (% of revenue)	..	23.4	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.4	0.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	15.8	108.1	87.1
Fixed-broadband subscriptions (per 100 people)	..	0.0	2.4
Households with a computer (%)	1.4	4.9	17.0
Households with Internet access at home (%)	0.1	1.9	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	9.5	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	40.9	147.6
Individuals using the Internet (%)	1.5	7.1	22.6
Quality			
Population covered by a mobile-cellular network (%)	39	95	94
International Internet bandwidth (bit/s per Internet user)	19	185	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.0
Mobile-cellular sub-basket (\$ a month)	..	..	7.7
Fixed-broadband sub-basket (\$ a month)	..	..	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	1.0	0.6	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.10	0.24
Secure Internet servers (per million people)	0.6	1.6	5.9

Costa Rica

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	2361
Urban population (% of total)	66	76	62
GNI per capita, World Bank Atlas method (\$)	4,890	10,120	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.3	4.0	6.0
Adult literacy rate (% ages 15 and older)	95	97	94
Gross primary, secondary, tertiary school enrollment (%)	75	87	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	P	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	2.6	2.4
Telecommunications investment (% of revenue)	25.8	33.1	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	32.1	17.8	17.6
Mobile-cellular telephone subscriptions (per 100 people)	25.5	143.8	101.4
Fixed-broadband subscriptions (per 100 people)	1.0	10.4	11.7
Households with a computer (%)	27.0	52.3	46.0
Households with Internet access at home (%)	10.2	55.1	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	19.2	7.9	1.6
Domestic mobile traffic (minutes/subscriber/month)	152.2	103.1	293.4
Individuals using the Internet (%)	22.1	49.4	47.7
Quality			
Population covered by a mobile-cellular network (%)	86	..	99
International Internet bandwidth (bit/s per Internet user)	687	45,329	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.8	8.9
Mobile-cellular sub-basket (\$ a month)	..	4.1	12.4
Fixed-broadband sub-basket (\$ a month)	..	15.9	17.3
Trade			
ICT goods exports (% of total goods exports)	23.7	21.9	18.0
ICT goods imports (% of total goods imports)	23.7	18.5	15.1
ICT service exports (% of total service exports)	13.3	43.6	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.61	0.37
Secure Internet servers (per million people)	62.9	99.4	23.3

Côte d'Ivoire

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	18	22	2,879
Urban population (% of total)	47	53	39
GNI per capita, World Bank Atlas method (\$)	940	1,460	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-0.2	3.4	5.9
Adult literacy rate (% ages 15 and older)	49	41	73
Gross primary, secondary, tertiary school enrollment (%)	..	54	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	6.1	2.3
Telecommunications investment (% of revenue)	29.1	13.7	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.5	1.2	4.0
Mobile-cellular telephone subscriptions (per 100 people)	13.5	106.2	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.3	2.4
Households with a computer (%)	1.3	7.2	17.0
Households with Internet access at home (%)	0.2	12.2	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	106.4	71.7	147.6
Individuals using the Internet (%)	1.0	14.6	22.6
Quality			
Population covered by a mobile-cellular network (%)	55	98	94
International Internet bandwidth (bit/s per Internet user)	307	5,163	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.8	5.0
Mobile-cellular sub-basket (\$ a month)	..	16.2	7.7
Fixed-broadband sub-basket (\$ a month)	..	36.4	18.6
Trade			
ICT goods exports (% of total goods exports)	0.6	0.1	6.2
ICT goods imports (% of total goods imports)	3.8	2.1	8.0
ICT service exports (% of total service exports)	33.7	29.9	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.17	0.24
Secure Internet servers (per million people)	0.3	2.6	5.9

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	4	1,399
Urban population (% of total)	56	59	81
GNI per capita, World Bank Atlas method (\$)	9,870	13,020	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.6	-0.8	1.1
Adult literacy rate (% ages 15 and older)	98	99	99
Gross primary, secondary, tertiary school enrollment (%)	79	86	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	C	
Internet service	M	M	
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)	4.8	3.7	2.6
Telecommunications investment (% of revenue)	14.5	20.0	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	42.9	36.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	83.2	104.4	123.3
Fixed-broadband subscriptions (per 100 people)	2.6	23.0	28.0
Households with a computer (%)	32.7	70.1	80.3
Households with Internet access at home (%)	25.0	68.4	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	16.5	8.0	..
Domestic mobile traffic (minutes/subscriber/month)	65.7	145.4	188.0
Individuals using the Internet (%)	33.1	68.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	3,280	58,034	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.3	23.7
Mobile-cellular sub-basket (\$ a month)	..	16.5	18.7
Fixed-broadband sub-basket (\$ a month)	..	17.8	26.9
Trade			
ICT goods exports (% of total goods exports)	2.6	1.4	8.2
ICT goods imports (% of total goods imports)	6.1	5.4	10.5
ICT service exports (% of total service exports)	12.5	12.7	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.46	0.67
Secure Internet servers (per million people)	39.6	219.5	928.0

Cuba

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	11	11	2,361
Urban population (% of total)	76	77	62
GNI per capita, World Bank Atlas method (\$)	3,960	5,880	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.6	3.8	6.0
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	86	80	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Mixed	
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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	..	2.4
Telecommunications investment (% of revenue)	7.5	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.6	11.2	17.6
Mobile-cellular telephone subscriptions (per 100 people)	1.2	22.5	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	11.7
Households with a computer (%)	0.2	12.9	46.0
Households with Internet access at home (%)	0.0	4.1	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	26.5	13.2	1.6
Domestic mobile traffic (minutes/subscriber/month)	53.0	52.8	293.4
Individuals using the Internet (%)	9.7	30.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	71	85	99
International Internet bandwidth (bit/s per Internet user)	95	462	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.2	8.9
Mobile-cellular sub-basket (\$ a month)	..	21.5	12.4
Fixed-broadband sub-basket (\$ a month)	..	430.0	17.3
Trade			
ICT goods exports (% of total goods exports)	0.9	..	18.0
ICT goods imports (% of total goods imports)	2.6	..	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.40	0.23	0.37
Secure Internet servers (per million people)	0.1	0.4	23.3

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.14	0.16	1,399
Urban population (% of total)	91	89	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	105	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	38.9	39.9
Mobile-cellular telephone subscriptions (per 100 people)	..	121.6	123.3
Fixed-broadband subscriptions (per 100 people)	..	29.7	28.0
Households with a computer (%)	..	62.7	80.3
Households with Internet access at home (%)	..	53.2	81.0
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	..	..	..
Domestic mobile traffic (minutes/subscription/month)	..	..	188.0
Individuals using the Internet (%)	..	..	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	..	195.0	928.0

Cyprus

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	1	1,399
Urban population (% of total)	68	67	81
GNI per capita, World Bank Atlas method (\$)	23,580	26,370	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.5	0.1	1.1
Adult literacy rate (% ages 15 and older)	97	99	99
Gross primary, secondary, tertiary school enrollment (%)	78	79	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	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)	2.7	3.1	2.6
Telecommunications investment (% of revenue)	15.0	10.8	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.7	28.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	75.8	96.3	123.3
Fixed-broadband subscriptions (per 100 people)	3.1	21.1	28.0
Households with a computer (%)	46.0	74.0	80.3
Households with Internet access at home (%)	31.7	68.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	57.5	34.7	..
Domestic mobile traffic (minutes/subscriber/month)	174.0	226.6	188.0
Individuals using the Internet (%)	32.8	69.3	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	1,328	75,055	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	24.1	23.7
Mobile-cellular sub-basket (\$ a month)	..	8.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	21.1	26.9
Trade			
ICT goods exports (% of total goods exports)	25.0	3.9	8.2
ICT goods imports (% of total goods imports)	10.8	4.4	10.5
ICT service exports (% of total service exports)	21.1	15.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.60	0.47	0.67
Secure Internet servers (per million people)	175.3	606.8	928.0

Czech Republic

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	10	11	1,399
Urban population (% of total)	74	73	81
GNI per capita, World Bank Atlas method (\$)	12,380	18,970	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.8	1.1	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	83	91	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
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)	3.6	1.7	2.6
Telecommunications investment (% of revenue)	11.7	21.0	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	31.4	17.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	115.1	130.0	123.3
Fixed-broadband subscriptions (per 100 people)	6.9	27.6	28.0
Households with a computer (%)	30.0	78.5	80.3
Households with Internet access at home (%)	19.1	78.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.4	10.2	..
Domestic mobile traffic (minutes/subscriber/month)	50.3	107.9	188.0
Individuals using the Internet (%)	35.3	79.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	13,620	116,806	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.5	23.7
Mobile-cellular sub-basket (\$ a month)	..	25.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	20.6	26.9
Trade			
ICT goods exports (% of total goods exports)	11.1	13.1	8.2
ICT goods imports (% of total goods imports)	11.2	13.7	10.5
ICT service exports (% of total service exports)	24.4	32.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.67	0.37	0.67
Secure Internet servers (per million people)	41.6	691.6	928.0

Denmark

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	6	1,399
Urban population (% of total)	86	88	81
GNI per capita, World Bank Atlas method (\$)	49,620	61,310	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.3	-0.2	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	103	106	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	P	M	
Internet service	C	M	
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)	2.5	1.8	2.6
Telecommunications investment (% of revenue)	17.2	17.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	61.8	33.3	39.9
Mobile-cellular telephone subscriptions (per 100 people)	100.6	126.0	123.3
Fixed-broadband subscriptions (per 100 people)	24.8	41.4	28.0
Households with a computer (%)	84.0	95.0	80.3
Households with Internet access at home (%)	74.9	93.1	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	17.9	..
Domestic mobile traffic (minutes/subscriber/month)	99.1	136.6	188.0
Individuals using the Internet (%)	82.7	96.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	100	100
International Internet bandwidth (bit/s per Internet user)	42,041	341,706	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	29.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	9.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	47.0	26.9
Trade			
ICT goods exports (% of total goods exports)	5.0	3.3	8.2
ICT goods imports (% of total goods imports)	10.3	7.3	10.5
ICT service exports (% of total service exports)	..	17.8	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.91	0.66	0.67
Secure Internet servers (per million people)	411.3	2,080.8	928.0

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.78	0.88	2,879
Urban population (% of total)	77	77	39
GNI per capita, World Bank Atlas method (\$)	1,030	..	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.0	4.8	5.9
Adult literacy rate (% ages 15 and older)	..	..	73
Gross primary, secondary, tertiary school enrollment (%)	25	37	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	..	2.3
Telecommunications investment (% of revenue)	25.6	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.4	2.5	4.0
Mobile-cellular telephone subscriptions (per 100 people)	5.7	32.4	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	2.3	2.4
Households with a computer (%)	6.8	18.0	17.0
Households with Internet access at home (%)	0.6	7.1	18.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	..	..	8.8
Domestic mobile traffic (minutes/subscription/month)	50.2	..	147.6
Individuals using the Internet (%)	1.0	10.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	75	95	94
International Internet bandwidth (bit/s per Internet user)	6,076	8,955	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.9	5.0
Mobile-cellular sub-basket (\$ a month)	..	13.2	7.7
Fixed-broadband sub-basket (\$ a month)	..	31.6	18.6
Trade			
ICT goods exports (% of total goods exports)	..	..	6.2
ICT goods imports (% of total goods imports)	..	..	8.0
ICT service exports (% of total service exports)	5.1	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.23	0.06	0.24
Secure Internet servers (per million people)	1.3	10.3	5.9

Dominica

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2014	2014
Economic and social context			
Population (millions)	0.07	0.07	2,361
Urban population (% of total)	67	69	62
GNI per capita, World Bank Atlas method (\$)	5,140	7,070	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.3	1.6	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.9	6.8	2.4
Telecommunications investment (% of revenue)	18.0	13.7	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.9	24.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	73.7	127.5	101.4
Fixed-broadband subscriptions (per 100 people)	4.8	15.8	11.7
Households with a computer (%)	..	38.9	46.0
Households with Internet access at home (%)	..	37.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	41.2	14.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	38.4	112.1	293.4
Individuals using the Internet (%)	38.5	62.9	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	90	99
International Internet bandwidth (bit/s per Internet user)	1,407	109,954	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	16.7	12.4
Fixed-broadband sub-basket (\$ a month)	..	37.9	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	7.8	18.0
ICT goods imports (% of total goods imports)	8.3	4.3	15.1
ICT service exports (% of total service exports)	25.9	21.0	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.37	0.19	0.37
Secure Internet servers (per million people)	113.4	428.5	23.3

Dominican Republic

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	9	10	2,361
Urban population (% of total)	67	78	62
GNI per capita, World Bank Atlas method (\$)	2,900	6,030	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.1	4.8	6.0
Adult literacy rate (% ages 15 and older)	88	91	94
Gross primary, secondary, tertiary school enrollment (%)	..	77	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	P	
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)	0.4	3.1	2.4
Telecommunications investment (% of revenue)	192.0	15.7	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.6	11.6	17.6
Mobile-cellular telephone subscriptions (per 100 people)	38.8	78.9	101.4
Fixed-broadband subscriptions (per 100 people)	0.6	5.7	11.7
Households with a computer (%)	8.7	26.2	46.0
Households with Internet access at home (%)	3.1	21.1	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	13.1	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	27.3	293.4
Individuals using the Internet (%)	11.5	49.6	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	97	99
International Internet bandwidth (bit/s per Internet user)	1,130	24,903	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	15.2	8.9
Mobile-cellular sub-basket (\$ a month)	..	13.6	12.4
Fixed-broadband sub-basket (\$ a month)	..	21.3	17.3
Trade			
ICT goods exports (% of total goods exports)	7.2	0.9	18.0
ICT goods imports (% of total goods imports)	4.2	3.2	15.1
ICT service exports (% of total service exports)	2.8	6.1	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.39	0.37
Secure Internet servers (per million people)	5.6	28.3	23.3

Ecuador

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	14	16	2,361
Urban population (% of total)	62	64	62
GNI per capita, World Bank Atlas method (\$)	2,900	6,070	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.8	4.3	6.0
Adult literacy rate (% ages 15 and older)	84	93	94
Gross primary, secondary, tertiary school enrollment (%)	..	84	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	C	M	
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)	3.4	3.2	2.4
Telecommunications investment (% of revenue)	..	10.3	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.2	15.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	45.3	103.9	101.4
Fixed-broadband subscriptions (per 100 people)	0.2	7.8	11.7
Households with a computer (%)	17.9	38.0	46.0
Households with Internet access at home (%)	2.5	32.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	3.7	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	80.3	293.4
Individuals using the Internet (%)	6.0	43.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	80	97	99
International Internet bandwidth (bit/s per Internet user)	2,422	48,329	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	17.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	20.2	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	18.0
ICT goods imports (% of total goods imports)	11.1	6.6	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.48	0.37
Secure Internet servers (per million people)	3.9	34.5	23.3

Egypt, Arab Rep.

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	75	90	2,879
Urban population (% of total)	43	43	39
GNI per capita, World Bank Atlas method (\$)	1,240	3,050	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.4	4.3	5.9
Adult literacy rate (% ages 15 and older)	71	75	73
Gross primary, secondary, tertiary school enrollment (%)	76	83	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.3	2.3
Telecommunications investment (% of revenue)	35.2	30.5	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.5	7.6	4.0
Mobile-cellular telephone subscriptions (per 100 people)	19.0	114.3	87.1
Fixed-broadband subscriptions (per 100 people)	0.2	3.7	2.4
Households with a computer (%)	..	45.1	17.0
Households with Internet access at home (%)	15.3	36.8	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.6	7.1	8.8
Domestic mobile traffic (minutes/subscriber/month)	36.0	..	147.6
Individuals using the Internet (%)	12.8	31.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	92	100	94
International Internet bandwidth (bit/s per Internet user)	413	9,302	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.6	5.0
Mobile-cellular sub-basket (\$ a month)	..	5.4	7.7
Fixed-broadband sub-basket (\$ a month)	..	6.5	18.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.4	6.2
ICT goods imports (% of total goods imports)	4.4	3.6	8.0
ICT service exports (% of total service exports)	13.2	10.5	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.59	0.24
Secure Internet servers (per million people)	0.5	4.8	5.9

El Salvador

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	6	6	2,879
Urban population (% of total)	62	66	39
GNI per capita, World Bank Atlas method (\$)	2,870	3,950	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.3	1.3	5.9
Adult literacy rate (% ages 15 and older)	84	87	73
Gross primary, secondary, tertiary school enrollment (%)	72	70	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	4.1	3.8	2.3
Telecommunications investment (% of revenue)	13.6	17.7	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.0	14.9	4.0
Mobile-cellular telephone subscriptions (per 100 people)	39.7	144.0	87.1
Fixed-broadband subscriptions (per 100 people)	0.7	4.5	2.4
Households with a computer (%)	7.4	25.2	17.0
Households with Internet access at home (%)	2.1	23.3	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	27.5	8.8
Domestic mobile traffic (minutes/subscriber/month)	33.2	86.9	147.6
Individuals using the Internet (%)	4.2 ^a	29.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	95	..	94
International Internet bandwidth (bit/s per Internet user)	608	50,309	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.8	5.0
Mobile-cellular sub-basket (\$ a month)	..	17.9	7.7
Fixed-broadband sub-basket (\$ a month)	..	15.8	18.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	6.2
ICT goods imports (% of total goods imports)	3.6	5.0	8.0
ICT service exports (% of total service exports)	8.4	9.5	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.54	0.24
Secure Internet servers (per million people)	6.2	22.1	5.9

Equatorial Guinea

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.63	0.82	1,399
Urban population (% of total)	39	40	81
GNI per capita, World Bank Atlas method (\$)	4,660	12,640	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	27.1	1.4	1.1
Adult literacy rate (% ages 15 and older)	88	95	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	M	
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)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.7	1.9	39.9
Mobile-cellular telephone subscriptions (per 100 people)	16.1	66.4	123.3
Fixed-broadband subscriptions (per 100 people)	0.0	0.5	28.0
Households with a computer (%)	..	18.0	80.3
Households with Internet access at home (%)	..	8.5	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	1.1	18.9	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	2,421	1,452	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.1	23.7
Mobile-cellular sub-basket (\$ a month)	..	29.3	18.7
Fixed-broadband sub-basket (\$ a month)	..	242.9	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.03	0.67
Secure Internet servers (per million people)	..	3.7	928.0

Eritrea

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	622
Urban population (% of total)	19	22	30
GNI per capita, World Bank Atlas method (\$)	260	680	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.9	2.0	6.1
Adult literacy rate (% ages 15 and older)	53	72	57
Gross primary, secondary, tertiary school enrollment (%)	..	..	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	P	M	
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)	3.1	2.9	..
Telecommunications investment (% of revenue)	57.6	42.9	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.0	0.9
Mobile-cellular telephone subscriptions (per 100 people)	0.8	6.4	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.0	0.2
Households with a computer (%)	0.2	2.3	4.5
Households with Internet access at home (%)	0.2	1.5	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	67.4	..
Domestic mobile traffic (minutes/subscriber/month)	81.4	11.3	39.8
Individuals using the Internet (%)	0.4	1.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	2	92	..
International Internet bandwidth (bit/s per Internet user)	562	1,391	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.6	8.7
Mobile-cellular sub-basket (\$ a month)	..	13.0	11.7
Fixed-broadband sub-basket (\$ a month)	..	1,596.5	44.9
Trade			
ICT goods exports (% of total goods exports)	0.2	..	..
ICT goods imports (% of total goods imports)	3.0	..	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.20	0.00	0.11
Secure Internet servers (per million people)	..	..	1.2

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	1	1,399
Urban population (% of total)	69	68	81
GNI per capita, World Bank Atlas method (\$)	9,720	18,530	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.0	0.6	1.1
Adult literacy rate (% ages 15 and older)	100	100	99
Gross primary, secondary, tertiary school enrollment (%)	95	98	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	M	
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	3.6	2.6
Telecommunications investment (% of revenue)	8.2	14.2	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	33.4	31.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	109.1	160.7	123.3
Fixed-broadband subscriptions (per 100 people)	13.5	27.4	28.0
Households with a computer (%)	43.0	82.5	80.3
Households with Internet access at home (%)	38.7	82.9	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.9	9.5	..
Domestic mobile traffic (minutes/subscriber/month)	75.0	125.0	188.0
Individuals using the Internet (%)	61.5	84.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	5,895	28,665	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.1	23.7
Mobile-cellular sub-basket (\$ a month)	..	23.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	21.2	26.9
Trade			
ICT goods exports (% of total goods exports)	17.0	11.6	8.2
ICT goods imports (% of total goods imports)	13.0	10.7	10.5
ICT service exports (% of total service exports)	17.2	26.8	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.76	0.77	0.67
Secure Internet servers (per million people)	101.1	927.2	928.0

Ethiopia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	77	97	622
Urban population (% of total)	16	19	30
GNI per capita, World Bank Atlas method (\$)	160	550	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.6	10.5	6.1
Adult literacy rate (% ages 15 and older)	30	..	57
Gross primary, secondary, tertiary school enrollment (%)	43	..	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	1.6	..
Telecommunications investment (% of revenue)	82.1	36.2	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.8	0.9
Mobile-cellular telephone subscriptions (per 100 people)	0.5	31.6	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.5	0.2
Households with a computer (%)	0.2	2.8	4.5
Households with Internet access at home (%)	0.0	2.9	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.5	3.1	..
Domestic mobile traffic (minutes/subscriber/month)	90.9	55.8	39.8
Individuals using the Internet (%)	0.2	2.9	6.3
Quality			
Population covered by a mobile-cellular network (%)	10	73	..
International Internet bandwidth (bit/s per Internet user)	347	5,002	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.9	8.7
Mobile-cellular sub-basket (\$ a month)	..	3.5	11.7
Fixed-broadband sub-basket (\$ a month)	..	21.6	44.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	..
ICT goods imports (% of total goods imports)	7.0	3.3	2.7
ICT service exports (% of total service exports)	10.9	6.5	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.19	0.46	0.11
Secure Internet servers (per million people)	0.0	0.2	1.2

Faeroe Islands

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.05	0.05	1,399
Urban population (% of total)	40	42	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
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)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	48.5	35.0	39.9
Mobile-cellular telephone subscriptions (per 100 people)	85.5	124.1	123.3
Fixed-broadband subscriptions (per 100 people)	11.9	35.0	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	73.1	122.4	188.0
Individuals using the Internet (%)	67.9	94.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	4,793	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	0.0	..	8.2
ICT goods imports (% of total goods imports)	4.3	..	10.5
ICT service exports (% of total service exports)	30.1	25.8	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	62.4	1,656.6	928.0

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.82	0.89	2,361
Urban population (% of total)	50	53	62
GNI per capita, World Bank Atlas method (\$)	3,590	4,540	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.6	1.6	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	78	..	80
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	..	2.4
Telecommunications investment (% of revenue)	20.2	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7	8.4	17.6
Mobile-cellular telephone subscriptions (per 100 people)	24.9	98.8	101.4
Fixed-broadband subscriptions (per 100 people)	0.9	1.4	11.7
Households with a computer (%)	13.0	36.7	46.0
Households with Internet access at home (%)	8.0	29.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	8.5	41.8	47.7
Quality			
Population covered by a mobile-cellular network (%)	60	..	99
International Internet bandwidth (bit/s per Internet user)	1,036	13,946	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	20.5	12.4
Fixed-broadband sub-basket (\$ a month)	..	19.0	17.3
Trade			
ICT goods exports (% of total goods exports)	0.3	0.8	18.0
ICT goods imports (% of total goods imports)	4.7	3.7	15.1
ICT service exports (% of total service exports)	5.4	4.4	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.39	0.37
Secure Internet servers (per million people)	8.5	41.7	23.3

Finland

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	5	1,399
Urban population (% of total)	83	84	81
GNI per capita, World Bank Atlas method (\$)	40,100	48,910	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.6	0.0	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	101	115	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	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	1.8	2.6
Telecommunications investment (% of revenue)	9.8	15.6	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.4	11.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	100.5	139.7	123.3
Fixed-broadband subscriptions (per 100 people)	22.4	32.3	28.0
Households with a computer (%)	63.9	91.9	80.3
Households with Internet access at home (%)	54.1	89.8	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	171.5	..	188.0
Individuals using the Internet (%)	74.5	92.4	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	5,788	218,744	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	34.5	23.7
Mobile-cellular sub-basket (\$ a month)	..	14.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	30.4	26.9
Trade			
ICT goods exports (% of total goods exports)	20.3	2.3	8.2
ICT goods imports (% of total goods imports)	14.3	5.8	10.5
ICT service exports (% of total service exports)	32.3	39.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.75	0.77	0.67
Secure Internet servers (per million people)	308.2	1,791.3	928.0

France

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	63	66	1,399
Urban population (% of total)	77	79	81
GNI per capita, World Bank Atlas method (\$)	36,000	43,070	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.6	0.6	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	93	94	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	2.3	1.7	2.6
Telecommunications investment (% of revenue)	15.6	20.5	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	54.9	60.0	39.9
Mobile-cellular telephone subscriptions (per 100 people)	78.3	100.4	123.3
Fixed-broadband subscriptions (per 100 people)	15.4	40.2	28.0
Households with a computer (%)	54.3	82.8	80.3
Households with Internet access at home (%)	34.4	83.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.6	19.5	..
Domestic mobile traffic (minutes/subscriber/month)	138.0	171.4	188.0
Individuals using the Internet (%)	42.9	83.8	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
International Internet bandwidth (bit/s per Internet user)	7,593	221,660	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	27.9	23.7
Mobile-cellular sub-basket (\$ a month)	..	40.3	18.7
Fixed-broadband sub-basket (\$ a month)	..	27.9	26.9
Trade			
ICT goods exports (% of total goods exports)	6.3	4.0	8.2
ICT goods imports (% of total goods imports)	8.5	6.2	10.5
ICT service exports (% of total service exports)	36.3	38.2	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.80	1.00	0.67
Secure Internet servers (per million people)	76.1	683.4	928.0

French Polynesia

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.25	0.28	1,399
Urban population (% of total)	56	56	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.9	19.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	47.1	85.7	123.3
Fixed-broadband subscriptions (per 100 people)	4.3	17.4	28.0
Households with a computer (%)	45.0	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	9.1	9.4	..
Domestic mobile traffic (minutes/subscriber/month)	116.7	103.8	188.0
Individuals using the Internet (%)	21.5	60.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	96	98	100
International Internet bandwidth (bit/s per Internet user)	1,639	13,814	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.5	8.2
ICT goods imports (% of total goods imports)	5.1	5.4	10.5
ICT service exports (% of total service exports)	13.5	6.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	58.9	160.8	928.0

Gabon

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	2	2,361
Urban population (% of total)	83	87	62
GNI per capita, World Bank Atlas method (\$)	5,580	9,450	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.5	3.3	6.0
Adult literacy rate (% ages 15 and older)	82	82	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	1.6	..	2.4
Telecommunications investment (% of revenue)	12.4	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.8	1.0	17.6
Mobile-cellular telephone subscriptions (per 100 people)	53.4	210.4	101.4
Fixed-broadband subscriptions (per 100 people)	0.1	0.6	11.7
Households with a computer (%)	3.0	12.5	46.0
Households with Internet access at home (%)	2.0	9.7	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	1.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	4.9	9.8	47.7
Quality			
Population covered by a mobile-cellular network (%)	78	..	99
International Internet bandwidth (bit/s per Internet user)	2,963	19,657	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	50.5	8.9
Mobile-cellular sub-basket (\$ a month)	..	19.9	12.4
Fixed-broadband sub-basket (\$ a month)	..	30.4	17.3
Trade			
ICT goods exports (% of total goods exports)	0.0	..	18.0
ICT goods imports (% of total goods imports)	3.7	..	15.1
ICT service exports (% of total service exports)	37.7	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.09	0.37
Secure Internet servers (per million people)	5.8	10.7	23.3

Gambia, The

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	2	622
Urban population (% of total)	52	59	30
GNI per capita, World Bank Atlas method (\$)	410	440	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.2	3.6	6.1
Adult literacy rate (% ages 15 and older)	37	53	57
Gross primary, secondary, tertiary school enrollment (%)	..	56	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	C	M	
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)	3.1	2.9	0.9
Mobile-cellular telephone subscriptions (per 100 people)	17.2	119.6	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	2.3	8.3	4.5
Households with Internet access at home (%)	1.0	8.5	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	14.7	..	39.8
Individuals using the Internet (%)	3.8	15.6	6.3
Quality			
Population covered by a mobile-cellular network (%)	70	..	..
International Internet bandwidth (bit/s per Internet user)	165	10,928	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.5	8.7
Mobile-cellular sub-basket (\$ a month)	..	6.0	11.7
Fixed-broadband sub-basket (\$ a month)	..	280.3	44.9
Trade			
ICT goods exports (% of total goods exports)	0.3	0.1	..
ICT goods imports (% of total goods imports)	5.0	1.8	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.23	0.20	0.11
Secure Internet servers (per million people)	1.3	5.7	1.2

Georgia

	Europe & Central Asia		Lower middle income
	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	2,879
Urban population (% of total)	52	53	39
GNI per capita, World Bank Atlas method (\$)	1,360	3,720	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.5	4.7	5.9
Adult literacy rate (% ages 15 and older)	100	100	73
Gross primary, secondary, tertiary school enrollment (%)	77	76	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Private	
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)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.2	2.7	2.3
Telecommunications investment (% of revenue)	30.9	17.3	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.7	25.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	26.2	124.9	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	12.2	2.4
Households with a computer (%)	1.8	45.8	17.0
Households with Internet access at home (%)	1.0	41.0	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	9.1	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	131.7	147.6
Individuals using the Internet (%)	6.1	48.9	22.6
Quality			
Population covered by a mobile-cellular network (%)	95	99	94
International Internet bandwidth (bit/s per Internet user)	118	70,966	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.4	5.0
Mobile-cellular sub-basket (\$ a month)	..	6.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	12.0	18.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.7	6.2
ICT goods imports (% of total goods imports)	4.4	5.1	8.0
ICT service exports (% of total service exports)	4.0	3.9	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.46	0.60	0.24
Secure Internet servers (per million people)	4.6	37.1	5.9

Germany

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	82	81	1,399
Urban population (% of total)	73	75	81
GNI per capita, World Bank Atlas method (\$)	35,880	47,640	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.4	1.1	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	94	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	2.9	1.5	2.6
Telecommunications investment (% of revenue)	8.6	15.5	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	65.4	56.9	39.9
Mobile-cellular telephone subscriptions (per 100 people)	94.6	120.4	123.3
Fixed-broadband subscriptions (per 100 people)	12.9	35.8	28.0
Households with a computer (%)	70.0	90.6	80.3
Households with Internet access at home (%)	61.6	89.5	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	43.0	88.5	188.0
Individuals using the Internet (%)	68.7	86.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
International Internet bandwidth (bit/s per Internet user)	9,827	145,990	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	27.4	23.7
Mobile-cellular sub-basket (\$ a month)	..	18.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	39.8	26.9
Trade			
ICT goods exports (% of total goods exports)	7.9	4.3	8.2
ICT goods imports (% of total goods imports)	11.5	7.2	10.5
ICT service exports (% of total service exports)	32.9	39.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.71	0.67	0.67
Secure Internet servers (per million people)	274.2	1,420.0	928.0

Ghana

Sub-Saharan Africa	Lower middle income		
	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	21	27	2,879
Urban population (% of total)	47	53	39
GNI per capita, World Bank Atlas method (\$)	470	1,600	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.1	7.9	5.9
Adult literacy rate (% ages 15 and older)	58	71	73
Gross primary, secondary, tertiary school enrollment (%)	54	67	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	M	M	
Internet service	M	M	
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)	..	2.3	2.3
Telecommunications investment (% of revenue)	..	98.7	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.5	1.0	4.0
Mobile-cellular telephone subscriptions (per 100 people)	13.4	114.8	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.3	2.4
Households with a computer (%)	2.0	39.9	17.0
Households with Internet access at home (%)	0.2	29.0	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.6	6.5	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	67.5	147.6
Individuals using the Internet (%)	1.8	18.9	22.6
Quality			
Population covered by a mobile-cellular network (%)	59	87	94
International Internet bandwidth (bit/s per Internet user)	429	3,602	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.1	5.0
Mobile-cellular sub-basket (\$ a month)	..	5.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	33.4	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	6.2
ICT goods imports (% of total goods imports)	4.8	3.8	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.30	0.31	0.24
Secure Internet servers (per million people)	0.1	3.7	5.9

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	11	11	1,399
Urban population (% of total)	74	78	81
GNI per capita, World Bank Atlas method (\$)	22,510	22,090	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	-3.4	1.1
Adult literacy rate (% ages 15 and older)	96	97	99
Gross primary, secondary, tertiary school enrollment (%)	100	109	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.9	2.5	2.6
Telecommunications investment (% of revenue)	9.4	17.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	57.2	46.9	39.9
Mobile-cellular telephone subscriptions (per 100 people)	92.9	115.0	123.3
Fixed-broadband subscriptions (per 100 people)	1.5	28.4	28.0
Households with a computer (%)	33.0	62.7	80.3
Households with Internet access at home (%)	21.7	65.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.9	13.3	..
Domestic mobile traffic (minutes/subscriber/month)	49.3	163.5	188.0
Individuals using the Internet (%)	24.0	63.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	2,458	99,513	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	24.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	41.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	23.3	26.9
Trade			
ICT goods exports (% of total goods exports)	2.8	1.4	8.2
ICT goods imports (% of total goods imports)	5.7	4.0	10.5
ICT service exports (% of total service exports)	6.6	8.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.61	0.67
Secure Internet servers (per million people)	31.5	147.4	928.0

Greenland

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.06	0.06	1,399
Urban population (% of total)	83	86	81
GNI per capita, World Bank Atlas method (\$)	29,690	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.7	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	56.5	30.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	81.6	106.4	123.3
Fixed-broadband subscriptions (per 100 people)	12.5	20.0	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	32.0	76.7	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	87.9	188.0
Individuals using the Internet (%)	57.7	66.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	90	100	100
International Internet bandwidth (bit/s per Internet user)	913	18,995	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	8.2
ICT goods imports (% of total goods imports)	5.6	4.5	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	212.2	1,385.6	928.0

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.10	0.11	2,361
Urban population (% of total)	36	36	62
GNI per capita, World Bank Atlas method (\$)	6,760	7,850	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.5	-0.3	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.4	7.1	2.4
Telecommunications investment (% of revenue)	19.1	11.1	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.6	26.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	45.5	126.5	101.4
Fixed-broadband subscriptions (per 100 people)	3.1	17.0	11.7
Households with a computer (%)	..	39.4	46.0
Households with Internet access at home (%)	..	32.6	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	100.5	46.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	133.5	200.9	293.4
Individuals using the Internet (%)	20.5	37.4	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	..	99
International Internet bandwidth (bit/s per Internet user)	19,463	251,661	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.4	8.9
Mobile-cellular sub-basket (\$ a month)	..	22.0	12.4
Fixed-broadband sub-basket (\$ a month)	..	29.4	17.3
Trade			
ICT goods exports (% of total goods exports)	1.5	..	18.0
ICT goods imports (% of total goods imports)	4.8	..	15.1
ICT service exports (% of total service exports)	15.8	13.9	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.35	0.37
Secure Internet servers (per million people)	29.1	37.6	23.3

Guam

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.16	0.17	1,399
Urban population (% of total)	94	94	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.4	40.2	39.9
Mobile-cellular telephone subscriptions (per 100 people)	61.9	..	123.3
Fixed-broadband subscriptions (per 100 people)	1.7	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	38.6	69.3	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	113.6	197.0	928.0

Guatemala

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	13	16	2,879
Urban population (% of total)	47	51	39
GNI per capita, World Bank Atlas method (\$)	1,990	3,410	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.1	3.4	5.9
Adult literacy rate (% ages 15 and older)	69	77	73
Gross primary, secondary, tertiary school enrollment (%)	71	69	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
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)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.3
Telecommunications investment (% of revenue)	..	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.8	10.8	4.0
Mobile-cellular telephone subscriptions (per 100 people)	35.6	106.6	87.1
Fixed-broadband subscriptions (per 100 people)	0.2	2.4	2.4
Households with a computer (%)	8.4	20.9	17.0
Households with Internet access at home (%)	2.1	15.0	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	32.1	10.5	8.8
Domestic mobile traffic (minutes/subscriber/month)	51.4	87.0	147.6
Individuals using the Internet (%)	5.7	23.4	22.6
Quality			
Population covered by a mobile-cellular network (%)	76	100	94
International Internet bandwidth (bit/s per Internet user)	977	8,073	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.7	5.0
Mobile-cellular sub-basket (\$ a month)	..	21.6	7.7
Fixed-broadband sub-basket (\$ a month)	..	27.4	18.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	6.2
ICT goods imports (% of total goods imports)	6.0	5.7	8.0
ICT service exports (% of total service exports)	19.3	20.9	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.43	0.15	0.24
Secure Internet servers (per million people)	5.3	17.5	5.9

Guinea

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	10	12	622
Urban population (% of total)	33	37	30
GNI per capita, World Bank Atlas method (\$)	340	470	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.0	2.5	6.1
Adult literacy rate (% ages 15 and older)	30	25	57
Gross primary, secondary, tertiary school enrollment (%)	44	52	59
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.0	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.0	72.1	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.0	0.2
Households with a computer (%)	..	2.3	4.5
Households with Internet access at home (%)	0.0	1.5	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	39.8
Individuals using the Internet (%)	0.5	1.7	6.3
Quality			
Population covered by a mobile-cellular network (%)	80	..	..
International Internet bandwidth (bit/s per Internet user)	39	2,365	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.6	8.7
Mobile-cellular sub-basket (\$ a month)	..	4.1	11.7
Fixed-broadband sub-basket (\$ a month)	..	800.0	44.9
Trade			
ICT goods exports (% of total goods exports)	0.0	..	..
ICT goods imports (% of total goods imports)	0.7	..	2.7
ICT service exports (% of total service exports)	1.1	69.3	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.14	0.00	0.11
Secure Internet servers (per million people)	..	0.3	1.2

Guinea-Bissau

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	2	622
Urban population (% of total)	41	49	30
GNI per capita, World Bank Atlas method (\$)	390	550	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.5	3.2	6.1
Adult literacy rate (% ages 15 and older)	41	58	57
Gross primary, secondary, tertiary school enrollment (%)	59	..	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	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)	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	0.9
Mobile-cellular telephone subscriptions (per 100 people)	7.0	63.5	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.1	0.2
Households with a computer (%)	..	2.5	4.5
Households with Internet access at home (%)	0.7	1.9	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	39.8
Individuals using the Internet (%)	1.9	3.3	6.3
Quality			
Population covered by a mobile-cellular network (%)	65	65	..
International Internet bandwidth (bit/s per Internet user)	2	2,674	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.7
Mobile-cellular sub-basket (\$ a month)	..	..	11.7
Fixed-broadband sub-basket (\$ a month)	..	..	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	1.8	..	2.7
ICT service exports (% of total service exports)	10.5	62.8	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.15	0.01	0.11
Secure Internet servers (per million people)	..	1.1	1.2

Guyana

	Latin America & Caribbean		Lower middle income
	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.74	0.76	2,879
Urban population (% of total)	28	28	39
GNI per capita, World Bank Atlas method (\$)	1,060	4,170	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.8	3.9	5.9
Adult literacy rate (% ages 15 and older)	..	..	73
Gross primary, secondary, tertiary school enrollment (%)	77	68	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	4.6	2.3
Telecommunications investment (% of revenue)	50.0	10.7	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.5	19.9	4.0
Mobile-cellular telephone subscriptions (per 100 people)	37.0	70.5	87.1
Fixed-broadband subscriptions (per 100 people)	0.3	5.6	2.4
Households with a computer (%)	11.6	26.9	17.0
Households with Internet access at home (%)	10.4	24.2	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	21.7	15.1	8.8
Domestic mobile traffic (minutes/subscriber/month)	24.7	30.2	147.6
Individuals using the Internet (%)	13.8	37.4	22.6
Quality			
Population covered by a mobile-cellular network (%)	95	97	94
International Internet bandwidth (bit/s per Internet user)	339	9,994	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.1	5.0
Mobile-cellular sub-basket (\$ a month)	..	10.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	24.3	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	6.2
ICT goods imports (% of total goods imports)	1.9	2.5	8.0
ICT service exports (% of total service exports)	42.4	29.3	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.44	0.24	0.24
Secure Internet servers (per million people)	1.3	10.5	5.9

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	9	11	622
Urban population (% of total)	44	57	30
GNI per capita, World Bank Atlas method (\$)	420	820	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-0.7	1.8	6.1
Adult literacy rate (% ages 15 and older)	49	..	57
Gross primary, secondary, tertiary school enrollment (%)	..	..	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	C	M	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	3.7	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	0.4	0.9
Mobile-cellular telephone subscriptions (per 100 people)	5.4	64.7	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.0	0.2
Households with a computer (%)	2.0	8.7	4.5
Households with Internet access at home (%)	1.0	4.0	4.2
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	..	..	..
Domestic mobile traffic (minutes/subscription/month)	..	..	39.8
Individuals using the Internet (%)	6.4	11.4	6.3
Quality			
Population covered by a mobile-cellular network (%)	..	..	..
International Internet bandwidth (bit/s per Internet user)	229	109	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.2	8.7
Mobile-cellular sub-basket (\$ a month)	..	9.8	11.7
Fixed-broadband sub-basket (\$ a month)	..	44.6	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.21	0.11	0.11
Secure Internet servers (per million people)	0.6	1.7	1.2

Honduras

	Latin America & Caribbean		Lower middle income
			Lower middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	7	8	2,879
Urban population (% of total)	49	54	39
GNI per capita, World Bank Atlas method (\$)	1,390	2,280	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.7	2.3	5.9
Adult literacy rate (% ages 15 and older)	84	87	73
Gross primary, secondary, tertiary school enrollment (%)	..	69	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
Mobile telephone service	M	C	
Internet service	M	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)	5.1	4.6	2.3
Telecommunications investment (% of revenue)	23.5	9.5	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	7.2	6.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	18.6	93.5	87.1
Fixed-broadband subscriptions (per 100 people)	..	1.4	2.4
Households with a computer (%)	6.3	21.6	17.0
Households with Internet access at home (%)	1.5	19.6	18.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	25.3	22.8	8.8
Domestic mobile traffic (minutes/subscription/month)	43.0	199.8	147.6
Individuals using the Internet (%)	6.5	19.1	22.6
Quality			
Population covered by a mobile-cellular network (%)	90	..	94
International Internet bandwidth (bit/s per Internet user)	1,115	21,765	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	7.2	7.7
Fixed-broadband sub-basket (\$ a month)	..	15.7	18.6
Trade			
ICT goods exports (% of total goods exports)	1.1	0.3	6.2
ICT goods imports (% of total goods imports)	5.6	5.0	8.0
ICT service exports (% of total service exports)	8.1	11.2	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.40	0.40	0.24
Secure Internet servers (per million people)	4.4	11.4	5.9

Hong Kong SAR, China

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	7	7	1,399
Urban population (% of total)	100	100	81
GNI per capita, World Bank Atlas method (\$)	28,890	40,320	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	3.3	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	91	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	3.9	2.6
Telecommunications investment (% of revenue)	18.3	10.8	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	55.0	61.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	123.9	239.3	123.3
Fixed-broadband subscriptions (per 100 people)	24.1	31.2	28.0
Households with a computer (%)	70.1	83.7	80.3
Households with Internet access at home (%)	64.6	82.4	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	59.2	..
Domestic mobile traffic (minutes/subscriber/month)	..	90.0	188.0
Individuals using the Internet (%)	56.9	74.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	16,723	3,345,122	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	5.7	18.7
Fixed-broadband sub-basket (\$ a month)	..	21.7	26.9
Trade			
ICT goods exports (% of total goods exports)	38.3	41.5	8.2
ICT goods imports (% of total goods imports)	38.2	38.8	10.5
ICT service exports (% of total service exports)	18.4	14.8	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	162.3	790.6	928.0

Hungary

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	10	10	1,399
Urban population (% of total)	66	71	81
GNI per capita, World Bank Atlas method (\$)	10,410	13,470	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	-0.1	1.1
Adult literacy rate (% ages 15 and older)	99	99	99
Gross primary, secondary, tertiary school enrollment (%)	89	93	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	2.6	2.6
Telecommunications investment (% of revenue)	9.1	16.2	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	33.8	30.3	39.9
Mobile-cellular telephone subscriptions (per 100 people)	92.3	118.1	123.3
Fixed-broadband subscriptions (per 100 people)	6.5	27.3	28.0
Households with a computer (%)	42.0	76.8	80.3
Households with Internet access at home (%)	22.1	75.1	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.8	..	..
Domestic mobile traffic (minutes/subscriber/month)	84.5	131.6	188.0
Individuals using the Internet (%)	39.0	76.1	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
International Internet bandwidth (bit/s per Internet user)	8,896	37,027	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	22.7	23.7
Mobile-cellular sub-basket (\$ a month)	..	25.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	28.3	26.9
Trade			
ICT goods exports (% of total goods exports)	25.6	14.8	8.2
ICT goods imports (% of total goods imports)	18.7	15.1	10.5
ICT service exports (% of total service exports)	19.5	28.2	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.65	0.56	0.67
Secure Internet servers (per million people)	30.0	300.8	928.0

Iceland

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.30	0.33	1,399
Urban population (% of total)	93	94	81
GNI per capita, World Bank Atlas method (\$)	50,730	47,640	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.0	1.0	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	95	99	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	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	1.8	2.6
Telecommunications investment (% of revenue)	19.5	15.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	65.3	51.5	39.9
Mobile-cellular telephone subscriptions (per 100 people)	95.4	111.1	123.3
Fixed-broadband subscriptions (per 100 people)	26.3	35.9	28.0
Households with a computer (%)	89.0	98.1	80.3
Households with Internet access at home (%)	84.4	96.5	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	18.7	15.1	..
Domestic mobile traffic (minutes/subscriber/month)	125.4	177.3	188.0
Individuals using the Internet (%)	87.0	98.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
International Internet bandwidth (bit/s per Internet user)	4,803	519,869	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.1	23.7
Mobile-cellular sub-basket (\$ a month)	..	22.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	31.8	26.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	8.2
ICT goods imports (% of total goods imports)	6.4	4.8	10.5
ICT service exports (% of total service exports)	227.1	13.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.61	0.67
Secure Internet servers (per million people)	1,004.3	3,214.4	928.0

India

South Asia	Lower middle income		
	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1,144	1,295	2,879
Urban population (% of total)	29	32	39
GNI per capita, World Bank Atlas method (\$)	730	1,570	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.7	7.4	5.9
Adult literacy rate (% ages 15 and older)	63	69	73
Gross primary, secondary, tertiary school enrollment (%)	63	71	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	M	
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	1.8	2.3
Telecommunications investment (% of revenue)	42.8	16.2	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.5	2.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	8.0	74.5	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	1.2	2.4
Households with a computer (%)	2.0	13.0	17.0
Households with Internet access at home (%)	1.6	15.3	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.6	7.5	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	167.5	147.6
Individuals using the Internet (%)	2.4	18.0	22.6
Quality			
Population covered by a mobile-cellular network (%)	31	93	94
International Internet bandwidth (bit/s per Internet user)	743	5,677	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.5	5.0
Mobile-cellular sub-basket (\$ a month)	..	2.9	7.7
Fixed-broadband sub-basket (\$ a month)	..	4.8	18.6
Trade			
ICT goods exports (% of total goods exports)	1.1	1.6	6.2
ICT goods imports (% of total goods imports)	7.6	5.8	8.0
ICT service exports (% of total service exports)	67.2	65.9	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.38	0.54	0.24
Secure Internet servers (per million people)	0.6	5.5	5.9

Indonesia

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	226	254	2,879
Urban population (% of total)	46	53	39
GNI per capita, World Bank Atlas method (\$)	1,220	3,630	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.7	5.8	5.9
Adult literacy rate (% ages 15 and older)	92	93	73
Gross primary, secondary, tertiary school enrollment (%)	67	79	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.9	2.3
Telecommunications investment (% of revenue)	28.3	23.5	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.0	11.7	4.0
Mobile-cellular telephone subscriptions (per 100 people)	20.9	126.2	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	1.2	2.4
Households with a computer (%)	3.7	17.8	17.0
Households with Internet access at home (%)	1.0	29.1	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	3.6	17.1	22.6
Quality			
Population covered by a mobile-cellular network (%)	90	100	94
International Internet bandwidth (bit/s per Internet user)	186	6,225	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.0	5.0
Mobile-cellular sub-basket (\$ a month)	..	6.9	7.7
Fixed-broadband sub-basket (\$ a month)	..	20.5	18.6
Trade			
ICT goods exports (% of total goods exports)	8.1	3.6	6.2
ICT goods imports (% of total goods imports)	3.6	7.1	8.0
ICT service exports (% of total service exports)	30.9	30.5	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.36	0.24
Secure Internet servers (per million people)	0.5	6.2	5.9

Iran, Islamic Rep.

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	70	78	2,361
Urban population (% of total)	68	73	62
GNI per capita, World Bank Atlas method (\$)	2,530	6,840	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.9	2.0	6.0
Adult literacy rate (% ages 15 and older)	82	84	94
Gross primary, secondary, tertiary school enrollment (%)	64	87	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
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	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	1.8	2.4
Telecommunications investment (% of revenue)	74.5	95.4	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	29.0	39.0	17.6
Mobile-cellular telephone subscriptions (per 100 people)	12.1	87.8	101.4
Fixed-broadband subscriptions (per 100 people)	0.1	9.5	11.7
Households with a computer (%)	19.0	52.5	46.0
Households with Internet access at home (%)	6.6	44.7	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	2.9	2.1	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	109.4	293.4
Individuals using the Internet (%)	8.1	39.4	47.7
Quality			
Population covered by a mobile-cellular network (%)	75	94	99
International Internet bandwidth (bit/s per Internet user)	600	6,056	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	2.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	6.0	17.3
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	18.0
ICT goods imports (% of total goods imports)	4.6	4.6	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.37	0.37
Secure Internet servers (per million people)	0.3	2.1	23.3

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	27	35	2,361
Urban population (% of total)	69	69	62
GNI per capita, World Bank Atlas method (\$)	2,020	6,320	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-1.1	6.7	6.0
Adult literacy rate (% ages 15 and older)	74	79	94
Gross primary, secondary, tertiary school enrollment (%)	63	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.1	5.6	17.6
Mobile-cellular telephone subscriptions (per 100 people)	5.6	94.9	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	11.7
Households with a computer (%)	5.0	25.9	46.0
Households with Internet access at home (%)	..	17.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	0.9	11.3	47.7
Quality			
Population covered by a mobile-cellular network (%)	68	..	99
International Internet bandwidth (bit/s per Internet user)	130	43	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.4	8.9
Mobile-cellular sub-basket (\$ a month)	..	12.5	12.4
Fixed-broadband sub-basket (\$ a month)	..	211.3	17.3
Trade			
ICT goods exports (% of total goods exports)	..	..	18.0
ICT goods imports (% of total goods imports)	..	..	15.1
ICT service exports (% of total service exports)	5.0	12.0	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.20	0.37
Secure Internet servers (per million people)	0.0	0.7	23.3

Ireland

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	1,399
Urban population (% of total)	60	63	81
GNI per capita, World Bank Atlas method (\$)	44,070	44,660	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.7	0.1	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	96	105	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	M	
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)	2.3	1.8	2.6
Telecommunications investment (% of revenue)	10.1	16.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	49.4	43.2	39.9
Mobile-cellular telephone subscriptions (per 100 people)	102.7	104.3	123.3
Fixed-broadband subscriptions (per 100 people)	7.8	26.9	28.0
Households with a computer (%)	55.0	84.0	80.3
Households with Internet access at home (%)	47.2	82.2	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	115.4	169.7	188.0
Individuals using the Internet (%)	41.6	79.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
International Internet bandwidth (bit/s per Internet user)	14,211	160,971	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	40.4	23.7
Mobile-cellular sub-basket (\$ a month)	..	43.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	19.9	26.9
Trade			
ICT goods exports (% of total goods exports)	22.4	5.8	8.2
ICT goods imports (% of total goods imports)	23.8	9.0	10.5
ICT service exports (% of total service exports)	57.1	68.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.73	0.68	0.67
Secure Internet servers (per million people)	353.9	775.0	928.0

Isle of Man

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.08	0.09	1,399
Urban population (% of total)	52	52	81
GNI per capita, World Bank Atlas method (\$)	38,690	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.8	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	..	39.9
Mobile-cellular telephone subscriptions (per 100 people)	..	..	123.3
Fixed-broadband subscriptions (per 100 people)	..	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	..	..	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	24.9	2,559.5	928.0

Israel

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	7	8	1,399
Urban population (% of total)	92	92	81
GNI per capita, World Bank Atlas method (\$)	21,230	34,990	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.0	4.0	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	92	94	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Private	
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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	2.2	2.6
Telecommunications investment (% of revenue)	..	12.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	44.5	37.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	117.5	121.5	123.3
Fixed-broadband subscriptions (per 100 people)	18.6	26.2	28.0
Households with a computer (%)	60.0	82.4	80.3
Households with Internet access at home (%)	42.0	71.5	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	25.2	71.5	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	10,218	98,409	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	35.3	18.7
Fixed-broadband sub-basket (\$ a month)	..	35.9	26.9
Trade			
ICT goods exports (% of total goods exports)	7.5	11.8	8.2
ICT goods imports (% of total goods imports)	9.7	8.8	10.5
ICT service exports (% of total service exports)	55.4	62.7	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.87	0.67
Secure Internet servers (per million people)	162.8	254.3	928.0

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	58	61	1,399
Urban population (% of total)	68	69	81
GNI per capita, World Bank Atlas method (\$)	32,390	34,280	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.8	-0.9	1.1
Adult literacy rate (% ages 15 and older)	98	99	99
Gross primary, secondary, tertiary school enrollment (%)	90	89	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	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)	2.3	1.6	2.6
Telecommunications investment (% of revenue)	23.2	22.9	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	42.7	33.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	121.9	154.2	123.3
Fixed-broadband subscriptions (per 100 people)	11.6	23.0	28.0
Households with a computer (%)	46.0	74.0	80.3
Households with Internet access at home (%)	38.6	72.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	87.7	125.6	188.0
Individuals using the Internet (%)	35.0	62.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	5,834	92,497	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	31.3	23.7
Mobile-cellular sub-basket (\$ a month)	..	35.2	18.7
Fixed-broadband sub-basket (\$ a month)	..	26.9	26.9
Trade			
ICT goods exports (% of total goods exports)	3.1	1.7	8.2
ICT goods imports (% of total goods imports)	7.1	4.6	10.5
ICT service exports (% of total service exports)	34.2	32.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.67	0.75	0.67
Secure Internet servers (per million people)	44.7	249.2	928.0

Jamaica

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	3	2,361
Urban population (% of total)	53	55	62
GNI per capita, World Bank Atlas method (\$)	..	5,220	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	-0.6	6.0
Adult literacy rate (% ages 15 and older)	..	88	94
Gross primary, secondary, tertiary school enrollment (%)	80	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	3.1	2.4
Telecommunications investment (% of revenue)	19.0	26.1	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	11.9	9.1	17.6
Mobile-cellular telephone subscriptions (per 100 people)	73.9	102.9	101.4
Fixed-broadband subscriptions (per 100 people)	1.7	5.4	11.7
Households with a computer (%)	12.7	32.5	46.0
Households with Internet access at home (%)	5.1	25.7	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	41.3	81.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	33.5	191.9	293.4
Individuals using the Internet (%)	12.8	40.5	47.7
Quality			
Population covered by a mobile-cellular network (%)	95	..	99
International Internet bandwidth (bit/s per Internet user)	5,826	14,210	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	9.1	12.4
Fixed-broadband sub-basket (\$ a month)	..	25.6	17.3
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	18.0
ICT goods imports (% of total goods imports)	5.0	2.6	15.1
ICT service exports (% of total service exports)	8.3	7.6	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.31	0.37
Secure Internet servers (per million people)	14.4	57.0	23.3

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	128	127	1,399
Urban population (% of total)	86	93	81
GNI per capita, World Bank Atlas method (\$)	39,140	42,000	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.3	0.3	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	86	89	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	2.7	2.6
Telecommunications investment (% of revenue)	14.3	11.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.7	50.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	76.0	120.2	123.3
Fixed-broadband subscriptions (per 100 people)	18.4	29.3	28.0
Households with a computer (%)	80.5	83.3	80.3
Households with Internet access at home (%)	57.0	97.5	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	23.6	1.5	..
Domestic mobile traffic (minutes/subscriber/month)	97.6	82.0	188.0
Individuals using the Internet (%)	66.9	90.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	2,589	48,637	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.7	23.7
Mobile-cellular sub-basket (\$ a month)	..	35.5	18.7
Fixed-broadband sub-basket (\$ a month)	..	21.7	26.9
Trade			
ICT goods exports (% of total goods exports)	16.9	8.6	8.2
ICT goods imports (% of total goods imports)	13.5	10.9	10.5
ICT service exports (% of total service exports)	19.8	24.9	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.77	0.94	0.67
Secure Internet servers (per million people)	257.7	911.7	928.0

Jordan

Middle East & North Africa	Upper middle income		
	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	7	2,361
Urban population (% of total)	81	83	62
GNI per capita, World Bank Atlas method (\$)	2,490	5,160	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.3	4.4	6.0
Adult literacy rate (% ages 15 and older)	91	98	94
Gross primary, secondary, tertiary school enrollment (%)	83	80	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	P	M	
Internet service	C	M	
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	4.7	2.4
Telecommunications investment (% of revenue)	20.5	12.3	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.0	5.0	17.6
Mobile-cellular telephone subscriptions (per 100 people)	59.9	147.8	101.4
Fixed-broadband subscriptions (per 100 people)	0.4	4.7	11.7
Households with a computer (%)	23.0	51.1	46.0
Households with Internet access at home (%)	8.0	60.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	15.4	13.7	1.6
Domestic mobile traffic (minutes/subscriber/month)	111.8	268.1	293.4
Individuals using the Internet (%)	12.9	44.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	99	99	99
International Internet bandwidth (bit/s per Internet user)	457	7,874	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.4	8.9
Mobile-cellular sub-basket (\$ a month)	..	7.8	12.4
Fixed-broadband sub-basket (\$ a month)	..	18.9	17.3
Trade			
ICT goods exports (% of total goods exports)	3.2	1.4	18.0
ICT goods imports (% of total goods imports)	6.9	3.5	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.55	0.52	0.37
Secure Internet servers (per million people)	3.7	30.4	23.3

Kazakhstan

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	15	17	2,361
Urban population (% of total)	55	53	62
GNI per capita, World Bank Atlas method (\$)	2,950	11,670	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	10.1	5.7	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	92	92	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	1.8	2.4
Telecommunications investment (% of revenue)	5.3	15.4	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	18.0	26.1	17.6
Mobile-cellular telephone subscriptions (per 100 people)	35.8	168.6	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	12.9	11.7
Households with a computer (%)	15.6	64.7	46.0
Households with Internet access at home (%)	5.0	58.8	45.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	7.2	3.7	1.6
Domestic mobile traffic (minutes/subscription/month)	41.1	115.4	293.4
Individuals using the Internet (%)	3.0	54.9	47.7
Quality			
Population covered by a mobile-cellular network (%)	81	95	99
International Internet bandwidth (bit/s per Internet user)	108	51,489	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.8	8.9
Mobile-cellular sub-basket (\$ a month)	..	10.9	12.4
Fixed-broadband sub-basket (\$ a month)	..	12.7	17.3
Trade			
ICT goods exports (% of total goods exports)	0.1	0.3	18.0
ICT goods imports (% of total goods imports)	4.0	5.8	15.1
ICT service exports (% of total service exports)	12.0	11.8	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.75	0.37
Secure Internet servers (per million people)	0.9	14.5	23.3

Kenya

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	35	45	2,879
Urban population (% of total)	22	25	39
GNI per capita, World Bank Atlas method (\$)	530	1,290	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.4	5.1	5.9
Adult literacy rate (% ages 15 and older)	72	..	73
Gross primary, secondary, tertiary school enrollment (%)	59	..	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	3.4	2.3
Telecommunications investment (% of revenue)	76.3	20.9	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	12.9	73.8	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.2	2.4
Households with a computer (%)	2.6	12.3	17.0
Households with Internet access at home (%)	1.2	16.9	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.8	3.1	8.8
Domestic mobile traffic (minutes/subscriber/month)	12.7	78.0	147.6
Individuals using the Internet (%)	3.1	43.4	22.6
Quality			
Population covered by a mobile-cellular network (%)	62	89	94
International Internet bandwidth (bit/s per Internet user)	102	25,200	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.0	5.0
Mobile-cellular sub-basket (\$ a month)	..	3.8	7.7
Fixed-broadband sub-basket (\$ a month)	..	34.7	18.6
Trade			
ICT goods exports (% of total goods exports)	0.2	1.4	6.2
ICT goods imports (% of total goods imports)	4.1	7.2	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.43	0.24
Secure Internet servers (per million people)	0.3	7.8	5.9

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.09	0.11	2,879
Urban population (% of total)	44	44	39
GNI per capita, World Bank Atlas method (\$)	1,760	2,150	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.0	1.8	5.9
Adult literacy rate (% ages 15 and older)	..	..	73
Gross primary, secondary, tertiary school enrollment (%)	77	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.3
Telecommunications investment (% of revenue)	..	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.6	8.9	4.0
Mobile-cellular telephone subscriptions (per 100 people)	0.7	17.4	87.1
Fixed-broadband subscriptions (per 100 people)	0.4	1.1	2.4
Households with a computer (%)	6.0	..	17.0
Households with Internet access at home (%)	2.5	..	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	4.0	12.3	22.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	94
International Internet bandwidth (bit/s per Internet user)	..	11,781	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.1	5.0
Mobile-cellular sub-basket (\$ a month)	..	18.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	241.3	18.6
Trade			
ICT goods exports (% of total goods exports)	0.9	0.0	6.2
ICT goods imports (% of total goods imports)	1.3	5.0	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.21	0.24
Secure Internet servers (per million people)	..	9.1	5.9

Korea, Dem. People's Rep.

East Asia & Pacific

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	24	25	622
Urban population (% of total)	60	61	30
GNI per capita, World Bank Atlas method (\$)	..	..	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	6.1
Adult literacy rate (% ages 15 and older)	..	..	57
Gross primary, secondary, tertiary school enrollment (%)	..	..	59
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
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)	4.2	4.7	0.9
Mobile-cellular telephone subscriptions (per 100 people)	0.0	11.2	57.2
Fixed-broadband subscriptions (per 100 people)	..	..	0.2
Households with a computer (%)	..	..	4.5
Households with Internet access at home (%)	..	..	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	39.8
Individuals using the Internet (%)	0.0	0.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	0	..	..
International Internet bandwidth (bit/s per Internet user)	..	..	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.7
Mobile-cellular sub-basket (\$ a month)	..	..	11.7
Fixed-broadband sub-basket (\$ a month)	..	..	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.01	0.11
Secure Internet servers (per million people)	..	0.1	1.2

Korea, Rep.

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	48	50	1,399
Urban population (% of total)	81	82	81
GNI per capita, World Bank Atlas method (\$)	17,800	27,090	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.8	3.5	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	98	99	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	C	M	
Internet service	C	M	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	3.9	2.6
Telecommunications investment (% of revenue)	14.4	12.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	50.8	59.5	39.9
Mobile-cellular telephone subscriptions (per 100 people)	81.5	115.5	123.3
Fixed-broadband subscriptions (per 100 people)	25.9	38.8	28.0
Households with a computer (%)	79.7 ^a	78.3	80.3
Households with Internet access at home (%)	92.7	98.5	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.2	2.8	..
Domestic mobile traffic (minutes/subscriber/month)	175.8	167.1	188.0
Individuals using the Internet (%)	73.5	84.3	80.6
Quality			
Population covered by a mobile-cellular network (%)	80	100	100
International Internet bandwidth (bit/s per Internet user)	1,440	45,178	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	18.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	27.4	26.9
Trade			
ICT goods exports (% of total goods exports)	30.0	19.1	8.2
ICT goods imports (% of total goods imports)	15.2	10.4	10.5
ICT service exports (% of total service exports)	19.1	22.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.83	0.98	0.67
Secure Internet servers (per million people)	20.0	2,178.3	928.0

Kosovo

Europe & Central Asia	Lower middle income		
	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	2	2,879
Urban population (% of total)	..	..	39
GNI per capita, World Bank Atlas method (\$)	2,540	4,000	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.4	3.7	5.9
Adult literacy rate (% ages 15 and older)	..	..	73
Gross primary, secondary, tertiary school enrollment (%)	..	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
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)	..	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	..	4.0
Mobile-cellular telephone subscriptions (per 100 people)	..	..	87.1
Fixed-broadband subscriptions (per 100 people)	..	..	2.4
Households with a computer (%)	..	..	17.0
Households with Internet access at home (%)	..	..	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	..	..	22.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	94
International Internet bandwidth (bit/s per Internet user)	..	..	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.0
Mobile-cellular sub-basket (\$ a month)	..	..	7.7
Fixed-broadband sub-basket (\$ a month)	..	..	18.6
Trade			
ICT goods exports (% of total goods exports)	..	..	6.2
ICT goods imports (% of total goods imports)	..	..	8.0
ICT service exports (% of total service exports)	4.7	19.9	51.1
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.24
Secure Internet servers (per million people)	..	..	5.9

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	4	1,399
Urban population (% of total)	98	98	81
GNI per capita, World Bank Atlas method (\$)	34,600	52,000	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	9.0	2.2	1.1
Adult literacy rate (% ages 15 and older)	93	96	99
Gross primary, secondary, tertiary school enrollment (%)	86	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	P	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)	3.5	..	2.6
Telecommunications investment (% of revenue)	27.0	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	22.0	14.2	39.9
Mobile-cellular telephone subscriptions (per 100 people)	60.2	218.4	123.3
Fixed-broadband subscriptions (per 100 people)	1.1	1.4	28.0
Households with a computer (%)	32.0	87.8	80.3
Households with Internet access at home (%)	27.0	75.4	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	25.9	78.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	1,481	50,096	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	15.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	14.1	26.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	8.2
ICT goods imports (% of total goods imports)	5.0	6.8	10.5
ICT service exports (% of total service exports)	52.2	49.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.57	0.67
Secure Internet servers (per million people)	35.3	198.8	928.0

Kyrgyz Republic

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	6	2,879
Urban population (% of total)	35	36	39
GNI per capita, World Bank Atlas method (\$)	450	1,250	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.1	4.5	5.9
Adult literacy rate (% ages 15 and older)	..	..	73
Gross primary, secondary, tertiary school enrollment (%)	79	79	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	4.5	7.1	2.3
Telecommunications investment (% of revenue)	3.2	3.5	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.7	7.9	4.0
Mobile-cellular telephone subscriptions (per 100 people)	10.7	134.5	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	4.2	2.4
Households with a computer (%)	1.0	17.6	17.0
Households with Internet access at home (%)	0.8	12.0	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	16.0	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	252.4	147.6
Individuals using the Internet (%)	10.5	28.3	22.6
Quality			
Population covered by a mobile-cellular network (%)	42	98	94
International Internet bandwidth (bit/s per Internet user)	516	8,166	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	5.5	7.7
Fixed-broadband sub-basket (\$ a month)	..	11.9	18.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	6.2
ICT goods imports (% of total goods imports)	3.3	2.2	8.0
ICT service exports (% of total service exports)	26.4	14.4	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.28	0.24
Secure Internet servers (per million people)	0.6	9.1	5.9

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	6	7	2,879
Urban population (% of total)	27	38	39
GNI per capita, World Bank Atlas method (\$)	460	1,650	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.2	8.0	5.9
Adult literacy rate (% ages 15 and older)	73	..	73
Gross primary, secondary, tertiary school enrollment (%)	58	61	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	P	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)	1.7	3.5	2.3
Telecommunications investment (% of revenue)	63.0	57.7	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	13.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	11.4	67.0	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.2	2.4
Households with a computer (%)	2.0	10.5	17.0
Households with Internet access at home (%)	1.0	5.2	18.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	..	3.4	8.8
Domestic mobile traffic (minutes/subscription/month)	59.6	9.4	147.6
Individuals using the Internet (%)	0.9	14.3	22.6
Quality			
Population covered by a mobile-cellular network (%)	55	96	94
International Internet bandwidth (bit/s per Internet user)	406	2,848	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.8	5.0
Mobile-cellular sub-basket (\$ a month)	..	7.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	16.6	18.6
Trade			
ICT goods exports (% of total goods exports)	..	..	6.2
ICT goods imports (% of total goods imports)	..	..	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.24	0.14	0.24
Secure Internet servers (per million people)	0.3	2.1	5.9

Latvia

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	2	1,399
Urban population (% of total)	68	67	81
GNI per capita, World Bank Atlas method (\$)	7,760	15,660	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	8.4	0.3	1.1
Adult literacy rate (% ages 15 and older)	100	100	99
Gross primary, secondary, tertiary school enrollment (%)	95	91	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
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)	3.6	2.4	2.6
Telecommunications investment (% of revenue)	..	26.4	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	32.8	19.0	39.9
Mobile-cellular telephone subscriptions (per 100 people)	84.0	124.2	123.3
Fixed-broadband subscriptions (per 100 people)	2.7	24.7	28.0
Households with a computer (%)	32.0	73.5	80.3
Households with Internet access at home (%)	30.5	73.4	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.7	..	..
Domestic mobile traffic (minutes/subscriber/month)	72.2	186.3	188.0
Individuals using the Internet (%)	46.0	75.8	80.6
Quality			
Population covered by a mobile-cellular network (%)	98	99	100
International Internet bandwidth (bit/s per Internet user)	2,713	93,683	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.0	23.7
Mobile-cellular sub-basket (\$ a month)	..	11.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	19.8	26.9
Trade			
ICT goods exports (% of total goods exports)	2.0	7.7	8.2
ICT goods imports (% of total goods imports)	5.8	7.0	10.5
ICT service exports (% of total service exports)	15.1	22.6	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.59	0.70	0.67
Secure Internet servers (per million people)	38.9	360.7	928.0

Lebanon

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	2,361
Urban population (% of total)	87	88	62
GNI per capita, World Bank Atlas method (\$)	5,740	9,800	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	5.6	6.0
Adult literacy rate (% ages 15 and older)	90	..	94
Gross primary, secondary, tertiary school enrollment (%)	78	77	80
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	M	
Internet service	M	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)	8.1	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	15.9	19.4	17.6
Mobile-cellular telephone subscriptions (per 100 people)	24.9	88.3	101.4
Fixed-broadband subscriptions (per 100 people)	3.3	22.8	11.7
Households with a computer (%)	24.0	81.0	46.0
Households with Internet access at home (%)	4.4	68.4	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	88.5	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	190.6	..	293.4
Individuals using the Internet (%)	10.1	74.7	47.7
Quality			
Population covered by a mobile-cellular network (%)	100	99	99
International Internet bandwidth (bit/s per Internet user)	717	23,992	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.3	8.9
Mobile-cellular sub-basket (\$ a month)	..	23.9	12.4
Fixed-broadband sub-basket (\$ a month)	..	17.5	17.3
Trade			
ICT goods exports (% of total goods exports)	1.8	0.9	18.0
ICT goods imports (% of total goods imports)	3.3	3.1	15.1
ICT service exports (% of total service exports)	42.4	34.8	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.35	0.37
Secure Internet servers (per million people)	8.5	54.5	23.3

Lesotho

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	2	2,879
Urban population (% of total)	22	27	39
GNI per capita, World Bank Atlas method (\$)	910	1,340	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.8	4.9	5.9
Adult literacy rate (% ages 15 and older)	86	..	73
Gross primary, secondary, tertiary school enrollment (%)	64	65	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	4.6	2.3
Telecommunications investment (% of revenue)	20.9	12.2	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.5	2.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	13.0	101.9	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	2.4
Households with a computer (%)	3.0	6.9	17.0
Households with Internet access at home (%)	0.6	6.5	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	31.1	8.8
Domestic mobile traffic (minutes/subscriber/month)	26.2	21.4	147.6
Individuals using the Internet (%)	2.6	11.0	22.6
Quality			
Population covered by a mobile-cellular network (%)	29	81	94
International Internet bandwidth (bit/s per Internet user)	86	2,410	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.5	5.0
Mobile-cellular sub-basket (\$ a month)	..	16.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	25.9	18.6
Trade			
ICT goods exports (% of total goods exports)	3.3	..	6.2
ICT goods imports (% of total goods imports)	1.1	..	8.0
ICT service exports (% of total service exports)	11.9	24.3	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.38	0.16	0.24
Secure Internet servers (per million people)	0.5	1.4	5.9

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	4	622
Urban population (% of total)	46	49	30
GNI per capita, World Bank Atlas method (\$)	120	370	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-6.4	7.0	6.1
Adult literacy rate (% ages 15 and older)	43	..	57
Gross primary, secondary, tertiary school enrollment (%)	..	..	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.1	0.1	..
Telecommunications investment (% of revenue)	..	23.1	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.1	0.2	0.9
Mobile-cellular telephone subscriptions (per 100 people)	4.9	73.4	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.1	0.2
Households with a computer (%)	0.8	2.2	4.5
Households with Internet access at home (%)	..	2.5	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	8.5	..
Domestic mobile traffic (minutes/subscriber/month)	0.0	52.4	39.8
Individuals using the Internet (%)	0.6	5.4	6.3
Quality			
Population covered by a mobile-cellular network (%)	16	60 ^a	..
International Internet bandwidth (bit/s per Internet user)	..	6,306	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.7
Mobile-cellular sub-basket (\$ a month)	..	..	11.7
Fixed-broadband sub-basket (\$ a month)	..	..	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.08	0.11
Secure Internet servers (per million people)	..	2.5	1.2

Libya

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	6	6	2,361
Urban population (% of total)	77	78	62
GNI per capita, World Bank Atlas method (\$)	6,860	7,910	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.4	-5.8	6.0
Adult literacy rate (% ages 15 and older)	85	90	94
Gross primary, secondary, tertiary school enrollment (%)	94	..	80
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	15.2	11.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	35.7	161.1	101.4
Fixed-broadband subscriptions (per 100 people)	..	1.0	11.7
Households with a computer (%)	5.0	20.6	46.0
Households with Internet access at home (%)	3.0	18.1	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.4	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	84.0	..	293.4
Individuals using the Internet (%)	3.9	17.8	47.7
Quality			
Population covered by a mobile-cellular network (%)	71	98	99
International Internet bandwidth (bit/s per Internet user)	456	12,606	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.9
Mobile-cellular sub-basket (\$ a month)	..	..	12.4
Fixed-broadband sub-basket (\$ a month)	..	..	17.3
Trade			
ICT goods exports (% of total goods exports)	..	..	18.0
ICT goods imports (% of total goods imports)	4.8	3.6	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.02	0.37
Secure Internet servers (per million people)	0.2	3.0	23.3

Liechtenstein

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.03	0.04	1,399
Urban population (% of total)	15	14	81
GNI per capita, World Bank Atlas method (\$)	92,360	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.5	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	86	87	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	No	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	..	2.6
Telecommunications investment (% of revenue)	..	22.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	57.6	48.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	79.2	104.3	123.3
Fixed-broadband subscriptions (per 100 people)	24.8	40.3	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	10.0	188.0
Individuals using the Internet (%)	63.4	95.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	94	100	100
International Internet bandwidth (bit/s per Internet user)	6,813	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	29.0	23.7
Mobile-cellular sub-basket (\$ a month)	..	23.4	18.7
Fixed-broadband sub-basket (\$ a month)	..	47.1	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.55	0.51	0.67
Secure Internet servers (per million people)	1,405.9	9,762.4	928.0

Lithuania

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	3	1,399
Urban population (% of total)	67	67	81
GNI per capita, World Bank Atlas method (\$)	10,470	15,380	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	1.5	1.1
Adult literacy rate (% ages 15 and older)	100	100	99
Gross primary, secondary, tertiary school enrollment (%)	96	94	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	1.5	2.6
Telecommunications investment (% of revenue)	15.6	17.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.4	19.5	39.9
Mobile-cellular telephone subscriptions (per 100 people)	132.5	147.0	123.3
Fixed-broadband subscriptions (per 100 people)	7.1	31.5	28.0
Households with a computer (%)	32.0	68.1	80.3
Households with Internet access at home (%)	15.8	66.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.0	6.4	..
Domestic mobile traffic (minutes/subscriber/month)	55.7	139.2	188.0
Individuals using the Internet (%)	36.2	72.1	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	4,188	125,454	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.5	23.7
Mobile-cellular sub-basket (\$ a month)	..	8.8	18.7
Fixed-broadband sub-basket (\$ a month)	..	11.5	26.9
Trade			
ICT goods exports (% of total goods exports)	5.3	2.4	8.2
ICT goods imports (% of total goods imports)	6.4	3.6	10.5
ICT service exports (% of total service exports)	8.2	11.1	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.66	0.76	0.67
Secure Internet servers (per million people)	22.3	206.9	928.0

Luxembourg

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.47	0.56	1,399
Urban population (% of total)	87	90	81
GNI per capita, World Bank Atlas method (\$)	70,340	69,880	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.0	1.6	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	76	77	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	1.5	1.1	2.6
Telecommunications investment (% of revenue)	18.3	33.9	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	53.4	49.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	111.4	148.4	123.3
Fixed-broadband subscriptions (per 100 people)	15.3	33.3	28.0
Households with a computer (%)	75.0	96.3	80.3
Households with Internet access at home (%)	64.6	95.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	74.2	69.1	..
Domestic mobile traffic (minutes/subscriber/month)	79.7	84.9	188.0
Individuals using the Internet (%)	70.0	94.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	29,486	6,887,708	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	27.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	26.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	38.5	26.9
Trade			
ICT goods exports (% of total goods exports)	7.9	2.0	8.2
ICT goods imports (% of total goods imports)	8.4	3.8	10.5
ICT service exports (% of total service exports)	14.8	21.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.75	0.62	0.67
Secure Internet servers (per million people)	473.0	2,645.3	928.0

Macao SAR, China

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.47	0.58	1,399
Urban population (% of total)	100	100	81
GNI per capita, World Bank Atlas method (\$)	24,080	71,060	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	12.8	11.9	1.1
Adult literacy rate (% ages 15 and older)	93	96	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	1.4	2.6
Telecommunications investment (% of revenue)	16.8	10.8	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	37.3	26.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	113.8	322.6	123.3
Fixed-broadband subscriptions (per 100 people)	14.5	28.0	28.0
Households with a computer (%)	68.1	81.1	80.3
Households with Internet access at home (%)	56.9	84.3	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	37.5	30.1	..
Domestic mobile traffic (minutes/subscriber/month)	123.1	..	188.0
Individuals using the Internet (%)	34.9	69.8	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	9,803	88,921	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.4	23.7
Mobile-cellular sub-basket (\$ a month)	..	5.7	18.7
Fixed-broadband sub-basket (\$ a month)	..	17.3	26.9
Trade			
ICT goods exports (% of total goods exports)	2.8	14.9	8.2
ICT goods imports (% of total goods imports)	9.7	14.5	10.5
ICT service exports (% of total service exports)	0.9	0.6	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	55.5	339.2	928.0

Macedonia, FYR

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	2	2,361
Urban population (% of total)	58	57	62
GNI per capita, World Bank Atlas method (\$)	3,010	5,150	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	2.8	6.0
Adult literacy rate (% ages 15 and older)	96	98	94
Gross primary, secondary, tertiary school enrollment (%)	68	70	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.3	4.2	2.4
Telecommunications investment (% of revenue)	9.8	22.2	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.5	18.6	17.6
Mobile-cellular telephone subscriptions (per 100 people)	54.1	109.1	101.4
Fixed-broadband subscriptions (per 100 people)	0.6	16.2	11.7
Households with a computer (%)	24.9	70.1	46.0
Households with Internet access at home (%)	12.5	68.3	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	15.1	1.6
Domestic mobile traffic (minutes/subscriber/month)	28.7	171.5	293.4
Individuals using the Internet (%)	26.5	68.1	47.7
Quality			
Population covered by a mobile-cellular network (%)	99	100	99
International Internet bandwidth (bit/s per Internet user)	62	41,812	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.7	8.9
Mobile-cellular sub-basket (\$ a month)	..	11.3	12.4
Fixed-broadband sub-basket (\$ a month)	..	12.9	17.3
Trade			
ICT goods exports (% of total goods exports)	0.4	0.3	18.0
ICT goods imports (% of total goods imports)	4.3	4.0	15.1
ICT service exports (% of total service exports)	20.8	22.6	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.24	0.37
Secure Internet servers (per million people)	0.5	76.6	23.3

Madagascar

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	18	24	622
Urban population (% of total)	29	34	30
GNI per capita, World Bank Atlas method (\$)	290	440	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.0	2.2	6.1
Adult literacy rate (% ages 15 and older)	71	..	57
Gross primary, secondary, tertiary school enrollment (%)	60	66	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	2.6	3.4	..
Telecommunications investment (% of revenue)	32.8	19.4	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.5	1.1	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.8	38.2	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	0.5	4.5	4.5
Households with Internet access at home (%)	0.4	4.7	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.7	1.6	..
Domestic mobile traffic (minutes/subscriber/month)	7.7	2.2	39.8
Individuals using the Internet (%)	0.6	3.7	6.3
Quality			
Population covered by a mobile-cellular network (%)	23	92	..
International Internet bandwidth (bit/s per Internet user)	327	267	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	20.8	8.7
Mobile-cellular sub-basket (\$ a month)	..	19.3	11.7
Fixed-broadband sub-basket (\$ a month)	..	58.5	44.9
Trade			
ICT goods exports (% of total goods exports)	0.3	0.1	..
ICT goods imports (% of total goods imports)	4.6	1.4	2.7
ICT service exports (% of total service exports)	22.0	15.2	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.24	0.11
Secure Internet servers (per million people)	0.2	0.9	1.2

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	13	17	622
Urban population (% of total)	15	16	30
GNI per capita, World Bank Atlas method (\$)	220	250	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.5	6.1	6.1
Adult literacy rate (% ages 15 and older)	..	61	57
Gross primary, secondary, tertiary school enrollment (%)	64	69	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	0.0	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.4	0.9
Mobile-cellular telephone subscriptions (per 100 people)	3.3	30.5	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	..	5.2	4.5
Households with Internet access at home (%)	..	6.2	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	0.0	..
Domestic mobile traffic (minutes/subscriber/month)	..	5.2	39.8
Individuals using the Internet (%)	0.4	5.8	6.3
Quality			
Population covered by a mobile-cellular network (%)	70	100	..
International Internet bandwidth (bit/s per Internet user)	106	4,237	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.2	8.7
Mobile-cellular sub-basket (\$ a month)	..	12.7	11.7
Fixed-broadband sub-basket (\$ a month)	..	54.3	44.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	..
ICT goods imports (% of total goods imports)	3.5	2.1	2.7
ICT service exports (% of total service exports)	6.7	27.1	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.17	0.11
Secure Internet servers (per million people)	0.2	1.1	1.2

Malaysia

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	26	30	2,361
Urban population (% of total)	67	74	62
GNI per capita, World Bank Atlas method (\$)	5,250	10,760	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.1	4.7	6.0
Adult literacy rate (% ages 15 and older)	89	93	94
Gross primary, secondary, tertiary school enrollment (%)	71	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	M	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.6	2.4
Telecommunications investment (% of revenue)	22.5	20.5	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.9	14.6	17.6
Mobile-cellular telephone subscriptions (per 100 people)	75.6	148.8	101.4
Fixed-broadband subscriptions (per 100 people)	1.9	10.1	11.7
Households with a computer (%)	28.2	66.5	46.0
Households with Internet access at home (%)	15.0	65.5	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	48.6	67.5	47.7
Quality			
Population covered by a mobile-cellular network (%)	93	95	99
International Internet bandwidth (bit/s per Internet user)	254	27,173	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	7.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	20.9	17.3
Trade			
ICT goods exports (% of total goods exports)	43.4	28.2	18.0
ICT goods imports (% of total goods imports)	38.0	22.6	15.1
ICT service exports (% of total service exports)	19.4	29.1	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.61	0.68	0.37
Secure Internet servers (per million people)	14.6	88.5	23.3

Maldives

South Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.30	0.36	2,361
Urban population (% of total)	34	44	62
GNI per capita, World Bank Atlas method (\$)	3,770	7,170	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.8	6.4	6.0
Adult literacy rate (% ages 15 and older)	98	..	94
Gross primary, secondary, tertiary school enrollment (%)	77	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	..	2.4
Telecommunications investment (% of revenue)	15.2	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.9	6.1	17.6
Mobile-cellular telephone subscriptions (per 100 people)	68.4	189.4	101.4
Fixed-broadband subscriptions (per 100 people)	1.1	5.9	11.7
Households with a computer (%)	26.1 ^a	65.9	46.0
Households with Internet access at home (%)	7.0	44.5	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	33.9	1.6
Domestic mobile traffic (minutes/subscriber/month)	55.8	209.5	293.4
Individuals using the Internet (%)	6.9	49.3	47.7
Quality			
Population covered by a mobile-cellular network (%)	91	100	99
International Internet bandwidth (bit/s per Internet user)	2,593	69,077	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.4	8.9
Mobile-cellular sub-basket (\$ a month)	..	5.7	12.4
Fixed-broadband sub-basket (\$ a month)	..	13.0	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	..	18.0
ICT goods imports (% of total goods imports)	11.2	5.1	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.36	0.37
Secure Internet servers (per million people)	6.6	86.7	23.3

Mali

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	13	17	622
Urban population (% of total)	32	39	30
GNI per capita, World Bank Atlas method (\$)	400	660	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.9	4.0	6.1
Adult literacy rate (% ages 15 and older)	26	34	57
Gross primary, secondary, tertiary school enrollment (%)	..	56	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	C	M	
Foreign ownership (not allowed, restricted, allowed)	No	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	7.0	..
Telecommunications investment (% of revenue)	25.8	16.1	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.6	1.0	0.9
Mobile-cellular telephone subscriptions (per 100 people)	6.4	149.0	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	1.0	8.2	4.5
Households with Internet access at home (%)	0.7	6.7	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.0	3.7	..
Domestic mobile traffic (minutes/subscriber/month)	9.9	15.7	39.8
Individuals using the Internet (%)	0.5	7.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	20	..	..
International Internet bandwidth (bit/s per Internet user)	429	1,879	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.9	8.7
Mobile-cellular sub-basket (\$ a month)	..	14.8	11.7
Fixed-broadband sub-basket (\$ a month)	..	47.8	44.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.0	..
ICT goods imports (% of total goods imports)	2.2	3.6	2.7
ICT service exports (% of total service exports)	21.9	42.5	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.16	0.13	0.11
Secure Internet servers (per million people)	0.1	1.3	1.2

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.40	0.43	1,399
Urban population (% of total)	94	95	81
GNI per capita, World Bank Atlas method (\$)	14,390	21,000	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.8	2.0	1.1
Adult literacy rate (% ages 15 and older)	92	93	99
Gross primary, secondary, tertiary school enrollment (%)	77	77	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	2.6	2.6
Telecommunications investment (% of revenue)	24.7	22.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	48.7	53.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	78.1	127.0	123.3
Fixed-broadband subscriptions (per 100 people)	12.4	35.2	28.0
Households with a computer (%)	46.0	82.2	80.3
Households with Internet access at home (%)	40.6	80.7	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	9.7	..
Domestic mobile traffic (minutes/subscriber/month)	40.3	94.9	188.0
Individuals using the Internet (%)	41.2	73.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	4,531	1,178,759	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.0	23.7
Mobile-cellular sub-basket (\$ a month)	..	19.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	18.4	26.9
Trade			
ICT goods exports (% of total goods exports)	45.2	18.8	8.2
ICT goods imports (% of total goods imports)	25.5	11.5	10.5
ICT service exports (% of total service exports)	15.3	26.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.66	0.40	0.67
Secure Internet servers (per million people)	331.8	1,691.6	928.0

Marshall Islands

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.05	0.05	2,361
Urban population (% of total)	70	72	62
GNI per capita, World Bank Atlas method (\$)	3,570	4,300	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.8	1.7	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.6	4.5	17.6
Mobile-cellular telephone subscriptions (per 100 people)	1.3	29.4	101.4
Fixed-broadband subscriptions (per 100 people)	..	2.6	11.7
Households with a computer (%)	..	..	46.0
Households with Internet access at home (%)	..	..	45.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	..	..	1.6
Domestic mobile traffic (minutes/subscription/month)	..	..	293.4
Individuals using the Internet (%)	3.9	16.8	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	..	99
International Internet bandwidth (bit/s per Internet user)	1,153	87,416	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	45.8	8.9
Mobile-cellular sub-basket (\$ a month)	..	22.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	50.0	17.3
Trade			
ICT goods exports (% of total goods exports)	..	..	18.0
ICT goods imports (% of total goods imports)	..	..	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.11	0.37
Secure Internet servers (per million people)	19.2	18.9	23.3

Mauritania

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	4	2,879
Urban population (% of total)	53	59	39
GNI per capita, World Bank Atlas method (\$)	690	1,270	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.5	4.2	5.9
Adult literacy rate (% ages 15 and older)	46	..	73
Gross primary, secondary, tertiary school enrollment (%)	45	50	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.8	4.9	2.3
Telecommunications investment (% of revenue)	19.2	20.0	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.3	1.3	4.0
Mobile-cellular telephone subscriptions (per 100 people)	23.7	94.2	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.2	2.4
Households with a computer (%)	1.6	4.4	17.0
Households with Internet access at home (%)	0.6	6.2	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	8.7	5.2	8.8
Domestic mobile traffic (minutes/subscriber/month)	47.1	68.0	147.6
Individuals using the Internet (%)	0.7	10.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	26	..	94
International Internet bandwidth (bit/s per Internet user)	2,135	1,454	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.5	5.0
Mobile-cellular sub-basket (\$ a month)	..	14.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	20.9	18.6
Trade			
ICT goods exports (% of total goods exports)	..	..	6.2
ICT goods imports (% of total goods imports)	1.4	0.7	8.0
ICT service exports (% of total service exports)	..	50.5	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.20	0.05	0.24
Secure Internet servers (per million people)	0.3	2.5	5.9

Mauritius

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	1	2,361
Urban population (% of total)	42	40	62
GNI per capita, World Bank Atlas method (\$)	5,420	9,710	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.3	4.0	6.0
Adult literacy rate (% ages 15 and older)	84	89	94
Gross primary, secondary, tertiary school enrollment (%)	77	86	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	2.6	2.4
Telecommunications investment (% of revenue)	12.9	55.5	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	29.5	29.8	17.6
Mobile-cellular telephone subscriptions (per 100 people)	54.2	132.2	101.4
Fixed-broadband subscriptions (per 100 people)	0.4	14.6	11.7
Households with a computer (%)	22.5	51.3	46.0
Households with Internet access at home (%)	15.0	47.5	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.5	10.0	1.6
Domestic mobile traffic (minutes/subscriber/month)	80.8	126.6	293.4
Individuals using the Internet (%)	15.2	41.4	47.7
Quality			
Population covered by a mobile-cellular network (%)	100	99	99
International Internet bandwidth (bit/s per Internet user)	832	32,990	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	6.1	12.4
Fixed-broadband sub-basket (\$ a month)	..	6.5	17.3
Trade			
ICT goods exports (% of total goods exports)	13.3	2.8	18.0
ICT goods imports (% of total goods imports)	12.8	5.6	15.1
ICT service exports (% of total service exports)	18.5	37.0	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.47	0.37
Secure Internet servers (per million people)	18.7	154.6	23.3

Mexico

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	110	125	2,361
Urban population (% of total)	76	79	62
GNI per capita, World Bank Atlas method (\$)	7,720	9,860	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.7	2.1	6.0
Adult literacy rate (% ages 15 and older)	92	94	94
Gross primary, secondary, tertiary school enrollment (%)	73	78	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
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	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	2.6	2.4
Telecommunications investment (% of revenue)	15.9	22.2	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	17.6	17.0	17.6
Mobile-cellular telephone subscriptions (per 100 people)	42.6	82.5	101.4
Fixed-broadband subscriptions (per 100 people)	1.7	11.6	11.7
Households with a computer (%)	18.6	38.3	46.0
Households with Internet access at home (%)	8.9	34.4	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	45.8	114.1	293.4
Individuals using the Internet (%)	17.2 ^a	44.4	47.7
Quality			
Population covered by a mobile-cellular network (%)	100	100	99
International Internet bandwidth (bit/s per Internet user)	708	20,926	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.8	8.9
Mobile-cellular sub-basket (\$ a month)	..	11.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	13.2	17.3
Trade			
ICT goods exports (% of total goods exports)	18.0	16.3	18.0
ICT goods imports (% of total goods imports)	17.1	17.1	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.59	0.66	0.37
Secure Internet servers (per million people)	7.9	34.1	23.3

Micronesia, Fed. Sts.

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.11	0.10	2,879
Urban population (% of total)	22	22	39
GNI per capita, World Bank Atlas method (\$)	2,550	3,270	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.4	0.0	5.9
Adult literacy rate (% ages 15 and older)	..	..	73
Gross primary, secondary, tertiary school enrollment (%)	75	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	..	2.3
Telecommunications investment (% of revenue)	13.2	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	11.7	6.8	4.0
Mobile-cellular telephone subscriptions (per 100 people)	13.3	30.3	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	3.0	2.4
Households with a computer (%)	..	..	17.0
Households with Internet access at home (%)	..	..	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	44.2	..	147.6
Individuals using the Internet (%)	11.9	29.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	94
International Internet bandwidth (bit/s per Internet user)	476	8,115	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	79.5	5.0
Mobile-cellular sub-basket (\$ a month)	..	13.6	7.7
Fixed-broadband sub-basket (\$ a month)	..	33.0	18.6
Trade			
ICT goods exports (% of total goods exports)	..	..	6.2
ICT goods imports (% of total goods imports)	2.8	..	8.0
ICT service exports (% of total service exports)	..	13.1	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.19	0.24
Secure Internet servers (per million people)	18.8	19.3	5.9

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	4	2,879
Urban population (% of total)	45	45	39
GNI per capita, World Bank Atlas method (\$)	890	2,550	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.1	3.6	5.9
Adult literacy rate (% ages 15 and older)	97	99	73
Gross primary, secondary, tertiary school enrollment (%)	71	71	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.7	4.3	2.3
Telecommunications investment (% of revenue)	31.4	30.1	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.7	35.2	4.0
Mobile-cellular telephone subscriptions (per 100 people)	28.9	108.0	87.1
Fixed-broadband subscriptions (per 100 people)	0.3	14.7	2.4
Households with a computer (%)	7.0	52.4	17.0
Households with Internet access at home (%)	2.3	47.5	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	22.2	15.5	8.8
Domestic mobile traffic (minutes/subscriber/month)	36.4	112.9	147.6
Individuals using the Internet (%)	14.6	46.6	22.6
Quality			
Population covered by a mobile-cellular network (%)	97	99	94
International Internet bandwidth (bit/s per Internet user)	744	152,362	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.5	5.0
Mobile-cellular sub-basket (\$ a month)	..	10.2	7.7
Fixed-broadband sub-basket (\$ a month)	..	12.7	18.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	6.2
ICT goods imports (% of total goods imports)	3.6	3.3	8.0
ICT service exports (% of total service exports)	21.2	24.8	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.45	0.53	0.24
Secure Internet servers (per million people)	4.2	48.4	5.9

Monaco

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.03	0.04	1,399
Urban population (% of total)	100	100	81
GNI per capita, World Bank Atlas method (\$)	128,380	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.7	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Mixed	
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)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4	..	2.6
Telecommunications investment (% of revenue)	7.6	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	100.5	133.0	39.9
Mobile-cellular telephone subscriptions (per 100 people)	50.8	88.5	123.3
Fixed-broadband subscriptions (per 100 people)	28.1	44.7	28.0
Households with a computer (%)	63.5	73.5	80.3
Households with Internet access at home (%)	40.1	74.7	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	241.5	114.6	..
Domestic mobile traffic (minutes/subscriber/month)	49.0	137.7	188.0
Individuals using the Internet (%)	55.5	92.4	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	6,129	227,447	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	21.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	52.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	45.9	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.22	0.67
Secure Internet servers (per million people)	709.9	3,216.1	928.0

Mongolia

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	3	2,361
Urban population (% of total)	62	71	62
GNI per capita, World Bank Atlas method (\$)	900	4,280	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.7	8.9	6.0
Adult literacy rate (% ages 15 and older)	98	98	94
Gross primary, secondary, tertiary school enrollment (%)	79	89	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	P	M	
Internet service	C	M	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.6	2.4
Telecommunications investment (% of revenue)	15.1	19.1	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.2	7.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	22.1	105.1	101.4
Fixed-broadband subscriptions (per 100 people)	0.1	6.8	11.7
Households with a computer (%)	6.3	35.8	46.0
Households with Internet access at home (%)	2.3	29.0	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	4.2	1.6
Domestic mobile traffic (minutes/subscriber/month)	0.3	99.4	293.4
Individuals using the Internet (%)	9.0	27.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	29	91	99
International Internet bandwidth (bit/s per Internet user)	5,138	89,976	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.5	8.9
Mobile-cellular sub-basket (\$ a month)	..	4.7	12.4
Fixed-broadband sub-basket (\$ a month)	..	8.5	17.3
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	18.0
ICT goods imports (% of total goods imports)	5.0	3.5	15.1
ICT service exports (% of total service exports)	6.0	35.8	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.61	0.37
Secure Internet servers (per million people)	3.2	28.5	23.3

Montenegro

	Europe & Central Asia		Upper middle income
			Upper middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	0.61	0.62	2,361
Urban population (% of total)	62	64	62
GNI per capita, World Bank Atlas method (\$)	3,660	7,240	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.8	2.4	6.0
Adult literacy rate (% ages 15 and older)	..	98	94
Gross primary, secondary, tertiary school enrollment (%)	75	89	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	No	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.8	26.5	17.6
Mobile-cellular telephone subscriptions (per 100 people)	88.2	163.0	101.4
Fixed-broadband subscriptions (per 100 people)	1.2	15.2	11.7
Households with a computer (%)	18.6	54.7	46.0
Households with Internet access at home (%)	13.0	56.6	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	110.7	..	293.4
Individuals using the Internet (%)	27.1	61.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	99	100	99
International Internet bandwidth (bit/s per Internet user)	1,438	77,016	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	11.6	12.4
Fixed-broadband sub-basket (\$ a month)	..	18.9	17.3
Trade			
ICT goods exports (% of total goods exports)	..	0.4	18.0
ICT goods imports (% of total goods imports)	..	3.7	15.1
ICT service exports (% of total service exports)	9.5	8.2	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.43	0.53	0.37
Secure Internet servers (per million people)	..	56.3	23.3

Morocco

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	30	34	2,879
Urban population (% of total)	55	60	39
GNI per capita, World Bank Atlas method (\$)	1,960	2,980	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.0	4.3	5.9
Adult literacy rate (% ages 15 and older)	52	67	73
Gross primary, secondary, tertiary school enrollment (%)	59	67	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	3.8	2.3
Telecommunications investment (% of revenue)	17.0	18.4	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.5	7.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	41.1	131.7	87.1
Fixed-broadband subscriptions (per 100 people)	0.8	3.0	2.4
Households with a computer (%)	13.2	52.5	17.0
Households with Internet access at home (%)	4.3	50.4	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	12.7	9.7	8.8
Domestic mobile traffic (minutes/subscriber/month)	7.8	77.4	147.6
Individuals using the Internet (%)	15.1	56.8	22.6
Quality			
Population covered by a mobile-cellular network (%)	98	99	94
International Internet bandwidth (bit/s per Internet user)	1,562	10,768	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	13.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	11.8	18.6
Trade			
ICT goods exports (% of total goods exports)	6.0	2.9	6.2
ICT goods imports (% of total goods imports)	7.0	3.6	8.0
ICT service exports (% of total service exports)	17.0	22.7	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.69	0.24
Secure Internet servers (per million people)	0.7	4.9	5.9

Mozambique

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	21	27	622
Urban population (% of total)	30	32	30
GNI per capita, World Bank Atlas method (\$)	290	620	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	8.5	6.8	6.1
Adult literacy rate (% ages 15 and older)	48	..	57
Gross primary, secondary, tertiary school enrollment (%)	52	60	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	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)	1.5	5.9	..
Telecommunications investment (% of revenue)	24.6	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.3	0.9
Mobile-cellular telephone subscriptions (per 100 people)	7.2	69.7	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.6	7.3	4.5
Households with Internet access at home (%)	0.8	6.2	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	25.6	27.4	39.8
Individuals using the Internet (%)	0.9	5.9	6.3
Quality			
Population covered by a mobile-cellular network (%)	..	..	..
International Internet bandwidth (bit/s per Internet user)	106	7,755	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.1	8.7
Mobile-cellular sub-basket (\$ a month)	..	12.7	11.7
Fixed-broadband sub-basket (\$ a month)	..	24.9	44.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	..
ICT goods imports (% of total goods imports)	4.5	3.0	2.7
ICT service exports (% of total service exports)	20.6	26.1	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.26	0.31	0.11
Secure Internet servers (per million people)	0.1	1.8	1.2

Myanmar

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	50	53	2,879
Urban population (% of total)	29	34	39
GNI per capita, World Bank Atlas method (\$)	..	1,270	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	12.8	..	5.9
Adult literacy rate (% ages 15 and older)	90	93	73
Gross primary, secondary, tertiary school enrollment (%)	53	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.3
Telecommunications investment (% of revenue)	8.6	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.0	1.0	4.0
Mobile-cellular telephone subscriptions (per 100 people)	0.3	49.5	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.2	2.4
Households with a computer (%)	0.3	3.4	17.0
Households with Internet access at home (%)	0.2	3.0	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	15.2	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	0.1	2.1	22.6
Quality			
Population covered by a mobile-cellular network (%)	10	2	94
International Internet bandwidth (bit/s per Internet user)	2,871	28,668	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.0
Mobile-cellular sub-basket (\$ a month)	..	..	7.7
Fixed-broadband sub-basket (\$ a month)	..	..	18.6
Trade			
ICT goods exports (% of total goods exports)	..	0.0	6.2
ICT goods imports (% of total goods imports)	..	1.7	8.0
ICT service exports (% of total service exports)	..	29.6	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.02	0.24
Secure Internet servers (per million people)	0.0	0.5	5.9

Namibia

Sub-Saharan Africa	Upper middle income		
	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	2	2,361
Urban population (% of total)	37	46	62
GNI per capita, World Bank Atlas method (\$)	3,390	5,680	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.4	4.4	6.0
Adult literacy rate (% ages 15 and older)	76	..	94
Gross primary, secondary, tertiary school enrollment (%)	71	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	3.4	2.4
Telecommunications investment (% of revenue)	7.5	10.9	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.9	7.8	17.6
Mobile-cellular telephone subscriptions (per 100 people)	22.1	113.8	101.4
Fixed-broadband subscriptions (per 100 people)	0.0	1.8	11.7
Households with a computer (%)	6.9	16.5	46.0
Households with Internet access at home (%)	3.0	17.3	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	3.4	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	85.6	293.4
Individuals using the Internet (%)	4.0	14.8	47.7
Quality			
Population covered by a mobile-cellular network (%)	88	100	99
International Internet bandwidth (bit/s per Internet user)	443	8,162	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.6	8.9
Mobile-cellular sub-basket (\$ a month)	..	10.4	12.4
Fixed-broadband sub-basket (\$ a month)	..	51.7	17.3
Trade			
ICT goods exports (% of total goods exports)	0.5	0.6	18.0
ICT goods imports (% of total goods imports)	4.8	3.5	15.1
ICT service exports (% of total service exports)	4.7	38.7	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.34	0.32	0.37
Secure Internet servers (per million people)	6.9	22.5	23.3

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	26	28	622
Urban population (% of total)	15	18	30
GNI per capita, World Bank Atlas method (\$)	310	730	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.3	4.5	6.1
Adult literacy rate (% ages 15 and older)	49	60	57
Gross primary, secondary, tertiary school enrollment (%)	64	75	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	B	No	
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)	1.9	3.0	0.9
Mobile-cellular telephone subscriptions (per 100 people)	0.9	82.5	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.8	0.2
Households with a computer (%)	1.9	8.2	4.5
Households with Internet access at home (%)	0.7	5.6	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	39.8
Individuals using the Internet (%)	0.8	15.4	6.3
Quality			
Population covered by a mobile-cellular network (%)	10	81	..
International Internet bandwidth (bit/s per Internet user)	226	3,109	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.7	8.7
Mobile-cellular sub-basket (\$ a month)	..	2.7	11.7
Fixed-broadband sub-basket (\$ a month)	..	6.3	44.9
Trade			
ICT goods exports (% of total goods exports)	..	0.1	..
ICT goods imports (% of total goods imports)	4.5	3.5	2.7
ICT service exports (% of total service exports)	27.2	42.1	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.16	0.11
Secure Internet servers (per million people)	0.5	3.0	1.2

Netherlands

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	16	17	1,399
Urban population (% of total)	83	90	81
GNI per capita, World Bank Atlas method (\$)	42,010	51,210	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.0	0.6	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	97	106	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	M	
Internet service	P	M	
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)	2.0	1.6	2.6
Telecommunications investment (% of revenue)	13.2	26.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	46.6	42.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	97.1	116.4	123.3
Fixed-broadband subscriptions (per 100 people)	25.1	41.0	28.0
Households with a computer (%)	78.0	97.6	80.3
Households with Internet access at home (%)	78.3	95.8	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	38.8	95.0	188.0
Individuals using the Internet (%)	81.0	93.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	25,338	281,063	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	32.9	23.7
Mobile-cellular sub-basket (\$ a month)	..	41.5	18.7
Fixed-broadband sub-basket (\$ a month)	..	35.2	26.9
Trade			
ICT goods exports (% of total goods exports)	16.8	10.3	8.2
ICT goods imports (% of total goods imports)	18.7	12.6	10.5
ICT service exports (% of total service exports)	35.1	34.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.86	0.93	0.67
Secure Internet servers (per million people)	327.1	2,635.1	928.0

New Caledonia

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.23	0.27	1,399
Urban population (% of total)	64	70	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	97	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.2	34.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	58.7	93.6	123.3
Fixed-broadband subscriptions (per 100 people)	4.2	17.1	28.0
Households with a computer (%)	18.2	30.3	80.3
Households with Internet access at home (%)	8.0	24.1	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	60.1	..	188.0
Individuals using the Internet (%)	32.4	70.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	75	..	100
International Internet bandwidth (bit/s per Internet user)	1,784	20,432	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	8.2
ICT goods imports (% of total goods imports)	4.6	3.3	10.5
ICT service exports (% of total service exports)	8.6	10.7	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	69.0	349.6	928.0

New Zealand

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	1,399
Urban population (% of total)	86	86	81
GNI per capita, World Bank Atlas method (\$)	25,490	39,300	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	1.2	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	106	105	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	M	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	2.3	2.6
Telecommunications investment (% of revenue)	6.1	30.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.8	40.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	85.4	112.1	123.3
Fixed-broadband subscriptions (per 100 people)	7.8	30.5	28.0
Households with a computer (%)	67.8	79.8	80.3
Households with Internet access at home (%)	62.1	79.8	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	29.5	73.6	188.0
Individuals using the Internet (%)	62.7	85.5	80.6
Quality			
Population covered by a mobile-cellular network (%)	98	97	100
International Internet bandwidth (bit/s per Internet user)	1,764	95,081	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	37.7	23.7
Mobile-cellular sub-basket (\$ a month)	..	15.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	61.5	26.9
Trade			
ICT goods exports (% of total goods exports)	1.7	1.0	8.2
ICT goods imports (% of total goods imports)	9.6	7.5	10.5
ICT service exports (% of total service exports)	10.8	14.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.84	0.67
Secure Internet servers (per million people)	489.9	1,211.2	928.0

Nicaragua

Latin America & Caribbean

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	6	2,879
Urban population (% of total)	56	58	39
GNI per capita, World Bank Atlas method (\$)	1,180	1,870	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.1	3.4	5.9
Adult literacy rate (% ages 15 and older)	78	..	73
Gross primary, secondary, tertiary school enrollment (%)	..	..	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
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)	2.9	..	2.3
Telecommunications investment (% of revenue)	24.0	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.0	5.5	4.0
Mobile-cellular telephone subscriptions (per 100 people)	20.5	114.6	87.1
Fixed-broadband subscriptions (per 100 people)	0.2	2.5	2.4
Households with a computer (%)	3.8	11.1	17.0
Households with Internet access at home (%)	0.1	11.6	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	2.6	17.6	22.6
Quality			
Population covered by a mobile-cellular network (%)	70	..	94
International Internet bandwidth (bit/s per Internet user)	43	23,025	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.8	5.0
Mobile-cellular sub-basket (\$ a month)	..	27.5	7.7
Fixed-broadband sub-basket (\$ a month)	..	20.7	18.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	6.2
ICT goods imports (% of total goods imports)	6.1	4.4	8.0
ICT service exports (% of total service exports)	..	11.8	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.37	0.09	0.24
Secure Internet servers (per million people)	2.0	11.3	5.9

Niger

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	13	19	622
Urban population (% of total)	17	18	30
GNI per capita, World Bank Atlas method (\$)	250	420	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.7	5.6	6.1
Adult literacy rate (% ages 15 and older)	29	15	57
Gross primary, secondary, tertiary school enrollment (%)	26	38	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	4.6	..
Telecommunications investment (% of revenue)	56.5	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.6	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.5	44.4	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	0.2
Households with a computer (%)	0.1	2.4	4.5
Households with Internet access at home (%)	0.0	2.2	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	18,471.9	39.8
Individuals using the Internet (%)	0.2	2.0	6.3
Quality			
Population covered by a mobile-cellular network (%)	15	75	..
International Internet bandwidth (bit/s per Internet user)	1,028	3,320	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	14.8	8.7
Mobile-cellular sub-basket (\$ a month)	..	11.7	11.7
Fixed-broadband sub-basket (\$ a month)	..	60.2	44.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	..
ICT goods imports (% of total goods imports)	3.2	2.7	2.7
ICT service exports (% of total service exports)	34.3	18.3	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.11	0.13	0.11
Secure Internet servers (per million people)	0.1	0.2	1.2

Nigeria

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	140	177	2,879
Urban population (% of total)	39	47	39
GNI per capita, World Bank Atlas method (\$)	660	2,970	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	11.8	6.2	5.9
Adult literacy rate (% ages 15 and older)	55	..	73
Gross primary, secondary, tertiary school enrollment (%)	56	..	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	1.6	2.3
Telecommunications investment (% of revenue)	0.4	75.5	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.9	0.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	13.3	77.8	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.0	2.4
Households with a computer (%)	4.0	9.1	17.0
Households with Internet access at home (%)	2.0	8.5	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.2	4.6	8.8
Domestic mobile traffic (minutes/subscriber/month)	27.4	80.2	147.6
Individuals using the Internet (%)	3.5	42.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	58	91	94
International Internet bandwidth (bit/s per Internet user)	30	3,150	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	7.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	6.5	7.7
Fixed-broadband sub-basket (\$ a month)	..	40.6	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	3.9	3.6	8.0
ICT service exports (% of total service exports)	1.6	4.4	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.31	0.24
Secure Internet servers (per million people)	0.2	2.3	5.9

Northern Mariana Islands

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.06	0.05	1,399
Urban population (% of total)	90	89	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	36.2	41.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	31.0	..	123.3
Fixed-broadband subscriptions (per 100 people)	..	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	30.9	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	..	..	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	83.6	73.3	928.0

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	5	1,399
Urban population (% of total)	77	80	81
GNI per capita, World Bank Atlas method (\$)	63,790	103,050	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.1	1.0	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	99	99	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	1.0	2.6
Telecommunications investment (% of revenue)	..	26.9	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.6	22.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	102.8	116.5	123.3
Fixed-broadband subscriptions (per 100 people)	21.4	38.1	28.0
Households with a computer (%)	74.0	95.4	80.3
Households with Internet access at home (%)	64.0	93.1	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	119.3	175.0	188.0
Individuals using the Internet (%)	82.0	96.3	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	100	100
International Internet bandwidth (bit/s per Internet user)	11,346	203,935	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	27.9	23.7
Mobile-cellular sub-basket (\$ a month)	..	24.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	50.9	26.9
Trade			
ICT goods exports (% of total goods exports)	1.2	0.8	8.2
ICT goods imports (% of total goods imports)	8.8	6.9	10.5
ICT service exports (% of total service exports)	24.4	33.7	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.89	0.76	0.67
Secure Internet servers (per million people)	308.9	1,942.0	928.0

Oman

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	4	1,399
Urban population (% of total)	72	77	81
GNI per capita, World Bank Atlas method (\$)	10,640	16,870	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.3	4.8	1.1
Adult literacy rate (% ages 15 and older)	81	92	99
Gross primary, secondary, tertiary school enrollment (%)	68	77	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.4	2.6
Telecommunications investment (% of revenue)	102.5	27.2	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.5	9.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	52.9	157.8	123.3
Fixed-broadband subscriptions (per 100 people)	0.5	4.5	28.0
Households with a computer (%)	37.2	84.0	80.3
Households with Internet access at home (%)	15.5	86.2	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	18.1	17.3	..
Domestic mobile traffic (minutes/subscriber/month)	99.9	99.1	188.0
Individuals using the Internet (%)	6.7	70.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	92	98	100
International Internet bandwidth (bit/s per Internet user)	2,960	33,724	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	9.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	26.0	26.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	8.2
ICT goods imports (% of total goods imports)	4.4	2.4	10.5
ICT service exports (% of total service exports)	21.9	15.2	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.73	0.67
Secure Internet servers (per million people)	4.0	79.3	928.0

Pakistan

South Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	153	185	2,879
Urban population (% of total)	35	38	39
GNI per capita, World Bank Atlas method (\$)	740	1,410	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.0	3.2	5.9
Adult literacy rate (% ages 15 and older)	50	57	73
Gross primary, secondary, tertiary school enrollment (%)	39	46	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.9	2.3
Telecommunications investment (% of revenue)	61.0	0.1	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.3	2.6	4.0
Mobile-cellular telephone subscriptions (per 100 people)	8.1	73.3	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	1.1	2.4
Households with a computer (%)	8.1	15.9	17.0
Households with Internet access at home (%)	..	13.2	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	4.0	9.2	8.8
Domestic mobile traffic (minutes/subscriber/month)	40.9	193.8	147.6
Individuals using the Internet (%)	6.3	13.8	22.6
Quality			
Population covered by a mobile-cellular network (%)	36	92	94
International Internet bandwidth (bit/s per Internet user)	72	5,684	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.9	5.0
Mobile-cellular sub-basket (\$ a month)	..	3.6	7.7
Fixed-broadband sub-basket (\$ a month)	..	12.3	18.6
Trade			
ICT goods exports (% of total goods exports)	0.5	0.2	6.2
ICT goods imports (% of total goods imports)	8.7	3.8	8.0
ICT service exports (% of total service exports)	17.9	28.4	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.32	0.24
Secure Internet servers (per million people)	0.3	1.8	5.9

Palau

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.02	0.02	2,361
Urban population (% of total)	78	86	62
GNI per capita, World Bank Atlas method (\$)	9,410	11,110	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.0	-0.1	6.0
Adult literacy rate (% ages 15 and older)	..	100	94
Gross primary, secondary, tertiary school enrollment (%)	..	98	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	4.6	2.4
Telecommunications investment (% of revenue)	..	8.8	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.1	33.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	30.4	90.6	101.4
Fixed-broadband subscriptions (per 100 people)	0.5	9.4	11.7
Households with a computer (%)	18.5	..	46.0
Households with Internet access at home (%)	..	..	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	50.7	21.1	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	27.0	..	47.7
Quality			
Population covered by a mobile-cellular network (%)	30	98	99
International Internet bandwidth (bit/s per Internet user)	1,123	..	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.9
Mobile-cellular sub-basket (\$ a month)	..	..	12.4
Fixed-broadband sub-basket (\$ a month)	..	..	17.3
Trade			
ICT goods exports (% of total goods exports)	..	1.0	18.0
ICT goods imports (% of total goods imports)	2.9	2.5	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.17	0.37
Secure Internet servers (per million people)	50.5	142.2	23.3

Panama

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	4	2,361
Urban population (% of total)	64	66	62
GNI per capita, World Bank Atlas method (\$)	4,530	11,130	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.4	8.3	6.0
Adult literacy rate (% ages 15 and older)	92	94	94
Gross primary, secondary, tertiary school enrollment (%)	76	79	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	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)	3.7	1.7	2.4
Telecommunications investment (% of revenue)	28.4	32.2	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	14.0	15.0	17.6
Mobile-cellular telephone subscriptions (per 100 people)	52.0	158.1	101.4
Fixed-broadband subscriptions (per 100 people)	0.5	7.9	11.7
Households with a computer (%)	14.6	38.2	46.0
Households with Internet access at home (%)	8.1	41.6	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	7.9	1.6
Domestic mobile traffic (minutes/subscriber/month)	61.3	75.8	293.4
Individuals using the Internet (%)	11.5	44.9	47.7
Quality			
Population covered by a mobile-cellular network (%)	75	96	99
International Internet bandwidth (bit/s per Internet user)	2,396	72,678	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	12.6	12.4
Fixed-broadband sub-basket (\$ a month)	..	10.7	17.3
Trade			
ICT goods exports (% of total goods exports)	0.1	7.9	18.0
ICT goods imports (% of total goods imports)	9.1	5.3	15.1
ICT service exports (% of total service exports)	10.6	8.1	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.37	0.37
Secure Internet servers (per million people)	54.8	116.6	23.3

Papua New Guinea

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	6	7	2,879
Urban population (% of total)	13	13	39
GNI per capita, World Bank Atlas method (\$)	700	2,030	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.0	7.2	5.9
Adult literacy rate (% ages 15 and older)	57	63	73
Gross primary, secondary, tertiary school enrollment (%)	..	..	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.3
Telecommunications investment (% of revenue)	..	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.0	1.9	4.0
Mobile-cellular telephone subscriptions (per 100 people)	1.2	44.9	87.1
Fixed-broadband subscriptions (per 100 people)	..	0.2	2.4
Households with a computer (%)	2.0	3.6	17.0
Households with Internet access at home (%)	1.1	3.1	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	1.7	9.4	22.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	94
International Internet bandwidth (bit/s per Internet user)	57	7,130	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.1	5.0
Mobile-cellular sub-basket (\$ a month)	..	26.3	7.7
Fixed-broadband sub-basket (\$ a month)	..	445.5	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	3.2	2.2	8.0
ICT service exports (% of total service exports)	72.8	64.2	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.21	0.01	0.24
Secure Internet servers (per million people)	0.5	10.7	5.9

Paraguay

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	6	7	2,361
Urban population (% of total)	57	59	62
GNI per capita, World Bank Atlas method (\$)	1,230	4,380	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	4.9	6.0
Adult literacy rate (% ages 15 and older)	95	95	94
Gross primary, secondary, tertiary school enrollment (%)	72	69	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	5.4	5.4	17.6
Mobile-cellular telephone subscriptions (per 100 people)	32.0	105.6	101.4
Fixed-broadband subscriptions (per 100 people)	0.1	2.3	11.7
Households with a computer (%)	8.7	31.9	46.0
Households with Internet access at home (%)	1.7	24.6	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	7.2	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	97.9	293.4
Individuals using the Internet (%)	7.9	43.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	100	99
International Internet bandwidth (bit/s per Internet user)	737	12,624	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.6	8.9
Mobile-cellular sub-basket (\$ a month)	..	12.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	21.2	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.0	18.0
ICT goods imports (% of total goods imports)	17.4	17.8	15.1
ICT service exports (% of total service exports)	8.7	1.6	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.23	0.37
Secure Internet servers (per million people)	1.4	24.1	23.3

Peru

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	28	31	2,361
Urban population (% of total)	75	78	62
GNI per capita, World Bank Atlas method (\$)	2,540	6,370	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.4	6.2	6.0
Adult literacy rate (% ages 15 and older)	88	94	94
Gross primary, secondary, tertiary school enrollment (%)	81	82	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
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)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.2	2.4
Telecommunications investment (% of revenue)	17.9	18.6	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.7	9.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	20.1	102.9	101.4
Fixed-broadband subscriptions (per 100 people)	1.3	5.7	11.7
Households with a computer (%)	8.2	32.3	46.0
Households with Internet access at home (%)	3.5	23.5	45.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	13.7	..	1.6
Domestic mobile traffic (minutes/subscription/month)	40.5	..	293.4
Individuals using the Internet (%)	17.1 ^a	40.2	47.7
Quality			
Population covered by a mobile-cellular network (%)	92	100	99
International Internet bandwidth (bit/s per Internet user)	2,109	36,381	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.6	8.9
Mobile-cellular sub-basket (\$ a month)	..	12.9	12.4
Fixed-broadband sub-basket (\$ a month)	..	22.1	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	18.0
ICT goods imports (% of total goods imports)	8.4	7.8	15.1
ICT service exports (% of total service exports)	13.9	12.5	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.63	0.37
Secure Internet servers (per million people)	5.3	28.1	23.3

Philippines

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	86	99	2,879
Urban population (% of total)	47	44	39
GNI per capita, World Bank Atlas method (\$)	1,520	3,470	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.7	5.2	5.9
Adult literacy rate (% ages 15 and older)	93	..	73
Gross primary, secondary, tertiary school enrollment (%)	78	81	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	2.1	2.3
Telecommunications investment (% of revenue)	24.4	25.8	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.9	3.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	40.5	111.2	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	23.2	2.4
Households with a computer (%)	6.6	20.5	17.0
Households with Internet access at home (%)	4.3	26.9	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	5.4	39.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	94
International Internet bandwidth (bit/s per Internet user)	694	27,688	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	16.5	5.0
Mobile-cellular sub-basket (\$ a month)	..	10.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	23.5	18.6
Trade			
ICT goods exports (% of total goods exports)	47.7	31.6	6.2
ICT goods imports (% of total goods imports)	45.8	23.2	8.0
ICT service exports (% of total service exports)	59.8	71.5	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.48	0.24
Secure Internet servers (per million people)	2.4	10.9	5.9

Poland

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	38	38	1,399
Urban population (% of total)	61	61	81
GNI per capita, World Bank Atlas method (\$)	7,330	13,730	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.1	3.7	1.1
Adult literacy rate (% ages 15 and older)	100	100	99
Gross primary, secondary, tertiary school enrollment (%)	87	98	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.8	2.4	2.6
Telecommunications investment (% of revenue)	16.1	16.9	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	31.0	13.2	39.9
Mobile-cellular telephone subscriptions (per 100 people)	76.3	156.4	123.3
Fixed-broadband subscriptions (per 100 people)	2.5	23.8	28.0
Households with a computer (%)	40.0	77.7	80.3
Households with Internet access at home (%)	30.4	74.8	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	46.7	110.7	188.0
Individuals using the Internet (%)	38.8	66.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	1,442	90,356	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.7	23.7
Mobile-cellular sub-basket (\$ a month)	..	10.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	12.3	26.9
Trade			
ICT goods exports (% of total goods exports)	4.0	6.8	8.2
ICT goods imports (% of total goods imports)	7.9	8.6	10.5
ICT service exports (% of total service exports)	19.6	29.5	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.61	0.54	0.67
Secure Internet servers (per million people)	22.0	429.7	928.0

Portugal

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	11	10	1,399
Urban population (% of total)	58	63	81
GNI per capita, World Bank Atlas method (\$)	18,550	21,320	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.7	-0.7	1.1
Adult literacy rate (% ages 15 and older)	..	94	99
Gross primary, secondary, tertiary school enrollment (%)	89	100	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	4.6	2.6	2.6
Telecommunications investment (% of revenue)	9.9	16.6	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	40.3	43.2	39.9
Mobile-cellular telephone subscriptions (per 100 people)	108.9	111.8	123.3
Fixed-broadband subscriptions (per 100 people)	11.1	26.7	28.0
Households with a computer (%)	42.5	69.4	80.3
Households with Internet access at home (%)	31.5	64.9	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	15.7	..	..
Domestic mobile traffic (minutes/subscriber/month)	80.6	145.2	188.0
Individuals using the Internet (%)	35.0	64.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
International Internet bandwidth (bit/s per Internet user)	2,378	218,876	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	23.7	23.7
Mobile-cellular sub-basket (\$ a month)	..	16.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	27.9	26.9
Trade			
ICT goods exports (% of total goods exports)	7.8	2.7	8.2
ICT goods imports (% of total goods imports)	8.4	4.7	10.5
ICT service exports (% of total service exports)	15.6	20.5	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.65	0.64	0.67
Secure Internet servers (per million people)	57.7	262.9	928.0

Puerto Rico

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	4	1,399
Urban population (% of total)	94	94	81
GNI per capita, World Bank Atlas method (\$)	14,750	19,310	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.6	-2.2	1.1
Adult literacy rate (% ages 15 and older)	91	92	99
Gross primary, secondary, tertiary school enrollment (%)	..	85	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	2.0	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.6	22.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	53.0	87.1	123.3
Fixed-broadband subscriptions (per 100 people)	3.1	16.6	28.0
Households with a computer (%)	..	60.0	80.3
Households with Internet access at home (%)	..	49.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	23.4	78.8	80.6
Quality			
Population covered by a mobile-cellular network (%)	62	..	100
International Internet bandwidth (bit/s per Internet user)	2,272	136,866	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	31.9	127.9	928.0

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.84	2	1,399
Urban population (% of total)	97	99	81
GNI per capita, World Bank Atlas method (\$)	39,560	94,410	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	8.3	13.2	1.1
Adult literacy rate (% ages 15 and older)	89	98	99
Gross primary, secondary, tertiary school enrollment (%)	79	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	12.7	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	25.0	18.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	87.3	145.8	123.3
Fixed-broadband subscriptions (per 100 people)	3.1	9.9	28.0
Households with a computer (%)	65.7	97.2	80.3
Households with Internet access at home (%)	31.5	98.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	79.1	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	24.7	91.5	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	3,816	67,473	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.1	23.7
Mobile-cellular sub-basket (\$ a month)	..	18.7	18.7
Fixed-broadband sub-basket (\$ a month)	..	54.9	26.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	8.2
ICT goods imports (% of total goods imports)	4.8	5.6	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.65	0.67
Secure Internet servers (per million people)	20.3	231.6	928.0

Romania

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	21	20	2,361
Urban population (% of total)	53	54	62
GNI per capita, World Bank Atlas method (\$)	3,920	9,370	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.0	1.7	6.0
Adult literacy rate (% ages 15 and older)	97	99	94
Gross primary, secondary, tertiary school enrollment (%)	75	81	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.8	1.8	2.4
Telecommunications investment (% of revenue)	23.0	18.2	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	19.8	21.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	60.4	105.9	101.4
Fixed-broadband subscriptions (per 100 people)	1.7	18.5	11.7
Households with a computer (%)	24.7	63.8	46.0
Households with Internet access at home (%)	9.8	60.5	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	10.2	13.9	1.6
Domestic mobile traffic (minutes/subscriber/month)	57.2	231.4	293.4
Individuals using the Internet (%)	21.5 ^a	54.1	47.7
Quality			
Population covered by a mobile-cellular network (%)	99	100 ^a	99
International Internet bandwidth (bit/s per Internet user)	2,835	153,807	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	18.8	12.4
Fixed-broadband sub-basket (\$ a month)	..	8.7	17.3
Trade			
ICT goods exports (% of total goods exports)	2.2	4.0	18.0
ICT goods imports (% of total goods imports)	6.7	7.1	15.1
ICT service exports (% of total service exports)	19.2	37.2	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.54	0.44	0.37
Secure Internet servers (per million people)	5.4	125.1	23.3

Russian Federation

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	144	144	1,399
Urban population (% of total)	73	74	81
GNI per capita, World Bank Atlas method (\$)	4,450	13,210	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.2	2.6	1.1
Adult literacy rate (% ages 15 and older)	99	100	99
Gross primary, secondary, tertiary school enrollment (%)	82	89	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	2.2	2.6
Telecommunications investment (% of revenue)	32.1	18.0	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.9	27.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	83.4	155.1	123.3
Fixed-broadband subscriptions (per 100 people)	1.1	17.5	28.0
Households with a computer (%)	25.0	71.0	80.3
Households with Internet access at home (%)	17.0	69.9	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	148.5	188.0
Individuals using the Internet (%)	15.2	70.5	80.6
Quality			
Population covered by a mobile-cellular network (%)	95	..	100
International Internet bandwidth (bit/s per Internet user)	655	29,860	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.9	23.7
Mobile-cellular sub-basket (\$ a month)	..	7.3	18.7
Fixed-broadband sub-basket (\$ a month)	..	6.3	26.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	8.2
ICT goods imports (% of total goods imports)	7.8	6.8	10.5
ICT service exports (% of total service exports)	23.7	32.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.71	0.67
Secure Internet servers (per million people)	2.4	84.4	928.0

Rwanda

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	9	11	622
Urban population (% of total)	19	28	30
GNI per capita, World Bank Atlas method (\$)	270	700	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.2	7.8	6.1
Adult literacy rate (% ages 15 and older)	65	68	57
Gross primary, secondary, tertiary school enrollment (%)	55	67	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.7	..
Telecommunications investment (% of revenue)	22.7	44.0	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.4	0.9
Mobile-cellular telephone subscriptions (per 100 people)	2.4	64.0	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	0.2	3.4	4.5
Households with Internet access at home (%)	0.1	3.8	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	12.8	2.4	..
Domestic mobile traffic (minutes/subscriber/month)	11.8	82.1	39.8
Individuals using the Internet (%)	0.6	10.6	6.3
Quality			
Population covered by a mobile-cellular network (%)	75	99	..
International Internet bandwidth (bit/s per Internet user)	1,030	8,517	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.6	8.7
Mobile-cellular sub-basket (\$ a month)	..	6.4	11.7
Fixed-broadband sub-basket (\$ a month)	..	331.9	44.9
Trade			
ICT goods exports (% of total goods exports)	1.2	0.5	..
ICT goods imports (% of total goods imports)	8.4	7.1	2.7
ICT service exports (% of total service exports)	8.4	3.8	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.51	0.11
Secure Internet servers (per million people)	..	3.9	1.2

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.18	0.19	2,879
Urban population (% of total)	21	19	39
GNI per capita, World Bank Atlas method (\$)	2,370	4,050	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.8	0.9	5.9
Adult literacy rate (% ages 15 and older)	99	99	73
Gross primary, secondary, tertiary school enrollment (%)	..	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	M	
Internet service	C	M	
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)	4.5	..	2.3
Telecommunications investment (% of revenue)	..	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.8	6.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	13.3	55.5	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.6	2.4
Households with a computer (%)	9.7	21.1	17.0
Households with Internet access at home (%)	4.6	21.9	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	21.1	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	3.4	21.2	22.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	94
International Internet bandwidth (bit/s per Internet user)	1,492	6,676	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	18.2	7.7
Fixed-broadband sub-basket (\$ a month)	..	42.8	18.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	6.2
ICT goods imports (% of total goods imports)	2.0	2.7	8.0
ICT service exports (% of total service exports)	10.1	6.9	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.38	0.24	0.24
Secure Internet servers (per million people)	5.6	31.3	5.9

San Marino

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.03	0.03	1,399
Urban population (% of total)	94	94	81
GNI per capita, World Bank Atlas method (\$)	41,830	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.2	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	85	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	Private	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	..	2.6
Telecommunications investment (% of revenue)	50.0	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	70.0	58.8	39.9
Mobile-cellular telephone subscriptions (per 100 people)	57.6	118.8	123.3
Fixed-broadband subscriptions (per 100 people)	4.1	32.5	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	50.3	49.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	98	100
International Internet bandwidth (bit/s per Internet user)	10,358	649,359	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	25.6	23.7
Mobile-cellular sub-basket (\$ a month)	..	23.8	18.7
Fixed-broadband sub-basket (\$ a month)	..	22.2	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.28	0.67
Secure Internet servers (per million people)	376.2	1,867.4	928.0

São Tomé and Príncipe

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.15	0.19	2,879
Urban population (% of total)	58	65	39
GNI per capita, World Bank Atlas method (\$)	780	1,670	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.9	5.1	5.9
Adult literacy rate (% ages 15 and older)	85	..	73
Gross primary, secondary, tertiary school enrollment (%)	65	74	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.4	5.8	2.3
Telecommunications investment (% of revenue)	14.9	51.2	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.6	3.4	4.0
Mobile-cellular telephone subscriptions (per 100 people)	7.7	64.9	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	0.5	2.4
Households with a computer (%)	..	..	17.0
Households with Internet access at home (%)	..	..	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	33.2	7.4	8.8
Domestic mobile traffic (minutes/subscriber/month)	4.6	25.5	147.6
Individuals using the Internet (%)	13.8	24.4	22.6
Quality			
Population covered by a mobile-cellular network (%)	8	70	94
International Internet bandwidth (bit/s per Internet user)	94	7,453	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	12.6	7.7
Fixed-broadband sub-basket (\$ a month)	..	53.1	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	1.5	6.2
ICT goods imports (% of total goods imports)	3.4	4.2	8.0
ICT service exports (% of total service exports)	13.4	19.6	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.01	0.24
Secure Internet servers (per million people)	12.5	10.7	5.9

Saudi Arabia

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	25	31	1,399
Urban population (% of total)	81	83	81
GNI per capita, World Bank Atlas method (\$)	12,460	25,140	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.2	5.5	1.1
Adult literacy rate (% ages 15 and older)	83	94	99
Gross primary, secondary, tertiary school enrollment (%)	75	100	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.7	2.6
Telecommunications investment (% of revenue)	21.1	11.6	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	15.6	13.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	57.4	179.6	123.3
Fixed-broadband subscriptions (per 100 people)	0.3	10.4	28.0
Households with a computer (%)	30.0	80.0	80.3
Households with Internet access at home (%)	20.0	94.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	40.6	..
Domestic mobile traffic (minutes/subscriber/month)	15.6	102.9	188.0
Individuals using the Internet (%)	12.7	63.7	80.6
Quality			
Population covered by a mobile-cellular network (%)	96	100	100
International Internet bandwidth (bit/s per Internet user)	383	30,548	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	26.4	23.7
Mobile-cellular sub-basket (\$ a month)	..	14.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	39.7	26.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	8.2
ICT goods imports (% of total goods imports)	6.5	7.4	10.5
ICT service exports (% of total service exports)	41.5	2.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.77	0.67
Secure Internet servers (per million people)	3.1	45.9	928.0

Senegal

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	11	15	2,879
Urban population (% of total)	41	43	39
GNI per capita, World Bank Atlas method (\$)	770	1,040	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.6	3.4	5.9
Adult literacy rate (% ages 15 and older)	42	43	73
Gross primary, secondary, tertiary school enrollment (%)	41	48	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.8	11.4	2.3
Telecommunications investment (% of revenue)	22.1	15.8	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.4	2.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	15.4	98.8	87.1
Fixed-broadband subscriptions (per 100 people)	0.2	0.7	2.4
Households with a computer (%)	2.9	11.6	17.0
Households with Internet access at home (%)	0.7	12.6	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	36.4	8.8	8.8
Domestic mobile traffic (minutes/subscriber/month)	42.6	78.4	147.6
Individuals using the Internet (%)	4.8	17.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	85	92	94
International Internet bandwidth (bit/s per Internet user)	1,437	8,349	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.9	5.0
Mobile-cellular sub-basket (\$ a month)	..	16.6	7.7
Fixed-broadband sub-basket (\$ a month)	..	36.4	18.6
Trade			
ICT goods exports (% of total goods exports)	0.4	0.3	6.2
ICT goods imports (% of total goods imports)	3.9	2.2	8.0
ICT service exports (% of total service exports)	28.0	32.3	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.25	0.31	0.24
Secure Internet servers (per million people)	0.3	3.5	5.9

Serbia

Europe & Central Asia	Upper middle income		
	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	7	7	2,361
Urban population (% of total)	55	55	62
GNI per capita, World Bank Atlas method (\$)	3,630	5,820	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.3	1.3	6.0
Adult literacy rate (% ages 15 and older)	..	98	94
Gross primary, secondary, tertiary school enrollment (%)	77	84	80
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	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)	4.5	4.5	2.4
Telecommunications investment (% of revenue)	22.9	17.0	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	30.7	37.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	67.0	122.1	101.4
Fixed-broadband subscriptions (per 100 people)	0.4	15.6	11.7
Households with a computer (%)	25.0	65.6	46.0
Households with Internet access at home (%)	18.0	51.8	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.5	7.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	27.6	122.9	293.4
Individuals using the Internet (%)	26.3	53.5	47.7
Quality			
Population covered by a mobile-cellular network (%)	96	100	99
International Internet bandwidth (bit/s per Internet user)	795	112,372	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.1	8.9
Mobile-cellular sub-basket (\$ a month)	..	15.2	12.4
Fixed-broadband sub-basket (\$ a month)	..	18.2	17.3
Trade			
ICT goods exports (% of total goods exports)	0.5	1.5	18.0
ICT goods imports (% of total goods imports)	5.5	3.7	15.1
ICT service exports (% of total service exports)	36.5	35.9	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.39	0.37
Secure Internet servers (per million people)	5.1	43.8	23.3

Seychelles

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.08	0.09	1,399
Urban population (% of total)	51	54	81
GNI per capita, World Bank Atlas method (\$)	11,140	13,990	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-1.0	4.6	1.1
Adult literacy rate (% ages 15 and older)	92	94	99
Gross primary, secondary, tertiary school enrollment (%)	72	72	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	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	..	2.6
Telecommunications investment (% of revenue)	24.9	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.6	22.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	67.5	162.2	123.3
Fixed-broadband subscriptions (per 100 people)	1.1	12.7	28.0
Households with a computer (%)	12.0	61.8	80.3
Households with Internet access at home (%)	6.0	55.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	9.3	4.9	..
Domestic mobile traffic (minutes/subscriber/month)	..	41.8	188.0
Individuals using the Internet (%)	25.4	54.3	80.6
Quality			
Population covered by a mobile-cellular network (%)	98	98	100
International Internet bandwidth (bit/s per Internet user)	1,062	28,945	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	15.7	18.7
Fixed-broadband sub-basket (\$ a month)	..	16.7	26.9
Trade			
ICT goods exports (% of total goods exports)	0.0	..	8.2
ICT goods imports (% of total goods imports)	1.5	..	10.5
ICT service exports (% of total service exports)	4.9	28.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.33	0.67
Secure Internet servers (per million people)	482.5	469.8	928.0

Sierra Leone

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	6	622
Urban population (% of total)	37	40	30
GNI per capita, World Bank Atlas method (\$)	320	710	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	9.0	8.1	6.1
Adult literacy rate (% ages 15 and older)	35	46	57
Gross primary, secondary, tertiary school enrollment (%)	..	..	59
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone 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	No	
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	0.3	0.9
Mobile-cellular telephone subscriptions (per 100 people)	14.3	76.7	57.2
Fixed-broadband subscriptions (per 100 people)	..	..	0.2
Households with a computer (%)	0.8	..	4.5
Households with Internet access at home (%)	..	..	4.2
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	..	..	..
Domestic mobile traffic (minutes/subscription/month)	..	..	39.8
Individuals using the Internet (%)	0.2	2.1	6.3
Quality			
Population covered by a mobile-cellular network (%)	70	..	..
International Internet bandwidth (bit/s per Internet user)	..	1,994	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.7
Mobile-cellular sub-basket (\$ a month)	..	..	11.7
Fixed-broadband sub-basket (\$ a month)	..	..	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	0.2	48.8	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.15	0.05	0.11
Secure Internet servers (per million people)	0.7	1.0	1.2

Singapore

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	5	1,399
Urban population (% of total)	100	100	81
GNI per capita, World Bank Atlas method (\$)	28,370	55,150	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.2	5.6	1.1
Adult literacy rate (% ages 15 and older)	93	97	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.4	3.2	2.6
Telecommunications investment (% of revenue)	12.6	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.0	35.5	39.9
Mobile-cellular telephone subscriptions (per 100 people)	97.5	158.1	123.3
Fixed-broadband subscriptions (per 100 people)	14.6	27.8	28.0
Households with a computer (%)	74.0	88.0	80.3
Households with Internet access at home (%)	66.0	88.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	75.2	84.3	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	61.0	82.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	99	100
International Internet bandwidth (bit/s per Internet user)	31,606	616,531	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.8	23.7
Mobile-cellular sub-basket (\$ a month)	..	8.7	18.7
Fixed-broadband sub-basket (\$ a month)	..	19.9	26.9
Trade			
ICT goods exports (% of total goods exports)	45.5	29.9	8.2
ICT goods imports (% of total goods imports)	37.9	24.9	10.5
ICT service exports (% of total service exports)	22.2	27.1	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.70	0.99	0.67
Secure Internet servers (per million people)	275.4	822.3	928.0

Sint Maarten (Dutch part)

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.04	0.04	1,399
Urban population (% of total)	100	100	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	..	39.9
Mobile-cellular telephone subscriptions (per 100 people)	..	..	123.3
Fixed-broadband subscriptions (per 100 people)	..	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	..	..	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	..	159.3	928.0

Slovak Republic

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	5	1,399
Urban population (% of total)	56	54	81
GNI per capita, World Bank Atlas method (\$)	11,330	17,810	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.1	2.9	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	78	82	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.0	2.4	2.6
Telecommunications investment (% of revenue)	22.6	12.7	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	22.2	16.8	39.9
Mobile-cellular telephone subscriptions (per 100 people)	84.2	116.9	123.3
Fixed-broadband subscriptions (per 100 people)	3.4	21.8	28.0
Households with a computer (%)	47.0	80.5	80.3
Households with Internet access at home (%)	23.0	78.4	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	12.4	13.1	..
Domestic mobile traffic (minutes/subscriber/month)	86.4	127.7	188.0
Individuals using the Internet (%)	55.2	80.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	4,772	11,462	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.1	23.7
Mobile-cellular sub-basket (\$ a month)	..	16.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	26.4	26.9
Trade			
ICT goods exports (% of total goods exports)	9.4	17.6	8.2
ICT goods imports (% of total goods imports)	8.3	14.2	10.5
ICT service exports (% of total service exports)	24.2	30.2	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.59	0.49	0.67
Secure Internet servers (per million people)	18.4	321.3	928.0

Slovenia

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	2	2	1,399
Urban population (% of total)	51	50	81
GNI per capita, World Bank Atlas method (\$)	18,460	23,220	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.6	0.2	1.1
Adult literacy rate (% ages 15 and older)	100	100	99
Gross primary, secondary, tertiary school enrollment (%)	92	98	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	2.3	2.6
Telecommunications investment (% of revenue)	23.8	18.5	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	51.0	37.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	87.9	112.1	123.3
Fixed-broadband subscriptions (per 100 people)	9.8	26.6	28.0
Households with a computer (%)	61.0	79.8	80.3
Households with Internet access at home (%)	48.2	76.8	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	11.6	10.0	..
Domestic mobile traffic (minutes/subscriber/month)	109.4	139.9	188.0
Individuals using the Internet (%)	46.8	71.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	2,681	121,137	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	18.4	23.7
Mobile-cellular sub-basket (\$ a month)	..	24.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	25.2	26.9
Trade			
ICT goods exports (% of total goods exports)	1.3	1.7	8.2
ICT goods imports (% of total goods imports)	4.3	3.3	10.5
ICT service exports (% of total service exports)	20.4	22.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.67	0.43	0.67
Secure Internet servers (per million people)	79.0	648.3	928.0

Solomon Islands

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.47	0.57	2,879
Urban population (% of total)	18	22	39
GNI per capita, World Bank Atlas method (\$)	900	1,830	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.6	5.1	5.9
Adult literacy rate (% ages 15 and older)	..	..	73
Gross primary, secondary, tertiary school enrollment (%)	51	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	..	2.3
Telecommunications investment (% of revenue)	..	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.3	4.0
Mobile-cellular telephone subscriptions (per 100 people)	1.3	65.8	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	0.3	2.4
Households with a computer (%)	..	6.1	17.0
Households with Internet access at home (%)	..	5.6	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	0.8	9.0	22.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	94
International Internet bandwidth (bit/s per Internet user)	2,044	4,277	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.1	5.0
Mobile-cellular sub-basket (\$ a month)	..	17.7	7.7
Fixed-broadband sub-basket (\$ a month)	..	271.2	18.6
Trade			
ICT goods exports (% of total goods exports)	..	0.0	6.2
ICT goods imports (% of total goods imports)	..	3.2	8.0
ICT service exports (% of total service exports)	57.5	22.9	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.27	0.06	0.24
Secure Internet servers (per million people)	4.3	3.5	5.9

Somalia

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	8	11	622
Urban population (% of total)	35	39	30
GNI per capita, World Bank Atlas method (\$)	..	..	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	6.1
Adult literacy rate (% ages 15 and older)	..	..	57
Gross primary, secondary, tertiary school enrollment (%)	..	..	59
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	..
Telecommunications investment (% of revenue)	..	..	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.2	0.5	0.9
Mobile-cellular telephone subscriptions (per 100 people)	5.9	50.9	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.6	0.2
Households with a computer (%)	..	..	4.5
Households with Internet access at home (%)	..	..	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	39.8
Individuals using the Internet (%)	1.1	1.6	6.3
Quality			
Population covered by a mobile-cellular network (%)	..	80	..
International Internet bandwidth (bit/s per Internet user)	33	568	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.7
Mobile-cellular sub-basket (\$ a month)	..	..	11.7
Fixed-broadband sub-basket (\$ a month)	..	..	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.02	0.11
Secure Internet servers (per million people)	0.1	0.1	1.2

South Africa

Sub-Saharan Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	47	54	2,361
Urban population (% of total)	60	64	62
GNI per capita, World Bank Atlas method (\$)	5,050	6,800	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.8	2.5	6.0
Adult literacy rate (% ages 15 and older)	89	94	94
Gross primary, secondary, tertiary school enrollment (%)	..	78	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	4.3	2.4
Telecommunications investment (% of revenue)	13.1	13.7	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.2	8.1	17.6
Mobile-cellular telephone subscriptions (per 100 people)	70.4	149.7	101.4
Fixed-broadband subscriptions (per 100 people)	0.3	3.2	11.7
Households with a computer (%)	13.0	28.1	46.0
Households with Internet access at home (%)	3.0	37.3	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	1.2	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	39.6	293.4
Individuals using the Internet (%)	7.5	49.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	96	100	99
International Internet bandwidth (bit/s per Internet user)	244	149,542	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.5	8.9
Mobile-cellular sub-basket (\$ a month)	..	20.4	12.4
Fixed-broadband sub-basket (\$ a month)	..	17.1	17.3
Trade			
ICT goods exports (% of total goods exports)	1.2	1.2	18.0
ICT goods imports (% of total goods imports)	11.1	8.2	15.1
ICT service exports (% of total service exports)	9.8	15.4	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.39	0.37
Secure Internet servers (per million people)	20.3	115.6	23.3

South Sudan

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	8	12	622
Urban population (% of total)	17	19	30
GNI per capita, World Bank Atlas method (\$)	..	940	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	-7.0	6.1
Adult literacy rate (% ages 15 and older)	..	..	57
Gross primary, secondary, tertiary school enrollment (%)	..	..	59
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	3.3	..
Telecommunications investment (% of revenue)	..	21.1	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	0.0	0.9
Mobile-cellular telephone subscriptions (per 100 people)	..	24.5	57.2
Fixed-broadband subscriptions (per 100 people)	..	0.0	0.2
Households with a computer (%)	..	10.0	4.5
Households with Internet access at home (%)	..	9.6	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	10.2	..
Domestic mobile traffic (minutes/subscriber/month)	..	42.1	39.8
Individuals using the Internet (%)	..	15.9	6.3
Quality			
Population covered by a mobile-cellular network (%)	..	42	..
International Internet bandwidth (bit/s per Internet user)	..	27	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.7
Mobile-cellular sub-basket (\$ a month)	..	..	11.7
Fixed-broadband sub-basket (\$ a month)	..	..	44.9
Trade			
ICT goods exports (% of total goods exports)	..	..	..
ICT goods imports (% of total goods imports)	..	..	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	..	0.01	0.11
Secure Internet servers (per million people)	..	0.2	1.2

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	44	46	1,399
Urban population (% of total)	77	79	81
GNI per capita, World Bank Atlas method (\$)	25,930	29,940	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.3	-0.2	1.1
Adult literacy rate (% ages 15 and older)	98	98	99
Gross primary, secondary, tertiary school enrollment (%)	96	108	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.0	2.1	2.6
Telecommunications investment (% of revenue)	19.6	16.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	44.9	40.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	98.4	107.8	123.3
Fixed-broadband subscriptions (per 100 people)	11.6	27.3	28.0
Households with a computer (%)	55.0	74.0	80.3
Households with Internet access at home (%)	35.5	74.4	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	93.1	118.2	188.0
Individuals using the Internet (%)	47.9	76.2	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	5,799	111,545	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	32.0	23.7
Mobile-cellular sub-basket (\$ a month)	..	37.8	18.7
Fixed-broadband sub-basket (\$ a month)	..	32.0	26.9
Trade			
ICT goods exports (% of total goods exports)	3.7	1.1	8.2
ICT goods imports (% of total goods imports)	7.2	4.5	10.5
ICT service exports (% of total service exports)	23.3	35.9	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.94	0.67
Secure Internet servers (per million people)	81.2	316.8	928.0

Sri Lanka

South Asia	Lower middle income		
	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	20	21	2,879
Urban population (% of total)	18	18	39
GNI per capita, World Bank Atlas method (\$)	1,210	3,400	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.3	6.7	5.9
Adult literacy rate (% ages 15 and older)	91	91	73
Gross primary, secondary, tertiary school enrollment (%)	..	78	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
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)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	1.9	2.3
Telecommunications investment (% of revenue)	12.2	33.4	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.2	12.5	4.0
Mobile-cellular telephone subscriptions (per 100 people)	16.8	103.2	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	2.6	2.4
Households with a computer (%)	5.0	17.8	17.0
Households with Internet access at home (%)	1.1	15.3	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	9.6	8.8
Domestic mobile traffic (minutes/subscriber/month)	74.7	158.7	147.6
Individuals using the Internet (%)	1.8	25.8	22.6
Quality			
Population covered by a mobile-cellular network (%)	85	98	94
International Internet bandwidth (bit/s per Internet user)	1,396	12,651	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.9	5.0
Mobile-cellular sub-basket (\$ a month)	..	0.9	7.7
Fixed-broadband sub-basket (\$ a month)	..	4.3	18.6
Trade			
ICT goods exports (% of total goods exports)	1.1	0.3	6.2
ICT goods imports (% of total goods imports)	4.9	3.8	8.0
ICT service exports (% of total service exports)	20.4	14.1	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.65	0.24
Secure Internet servers (per million people)	1.8	11.4	5.9

St. Kitts and Nevis

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.05	0.05	1,399
Urban population (% of total)	32	32	81
GNI per capita, World Bank Atlas method (\$)	10,970	14,490	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.8	0.5	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Private	Private	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.2	5.6	2.6
Telecommunications investment (% of revenue)	25.3	17.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	41.3	34.9	39.9
Mobile-cellular telephone subscriptions (per 100 people)	103.8	139.8	123.3
Fixed-broadband subscriptions (per 100 people)	13.2	24.5	28.0
Households with a computer (%)	17.3	66.5	80.3
Households with Internet access at home (%)	..	62.8	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	58.2	63.5	..
Domestic mobile traffic (minutes/subscriber/month)	102.1	32.3	188.0
Individuals using the Internet (%)	34.0	65.4	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	139,540	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.6	23.7
Mobile-cellular sub-basket (\$ a month)	..	22.9	18.7
Fixed-broadband sub-basket (\$ a month)	..	36.7	26.9
Trade			
ICT goods exports (% of total goods exports)	2.4	22.5	8.2
ICT goods imports (% of total goods imports)	8.3	5.9	10.5
ICT service exports (% of total service exports)	14.0	10.7	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.13	0.67
Secure Internet servers (per million people)	1,017.5	1,274.0	928.0

St. Lucia

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.17	0.18	2,361
Urban population (% of total)	23	18	62
GNI per capita, World Bank Atlas method (\$)	5,280	7,080	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	0.6	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	73	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.2	6.5	2.4
Telecommunications investment (% of revenue)	9.4	10.1	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	23.6	17.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	63.9	102.6	101.4
Fixed-broadband subscriptions (per 100 people)	4.2	15.4	11.7
Households with a computer (%)	..	38.0	46.0
Households with Internet access at home (%)	..	38.9	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	53.5	28.7	1.6
Domestic mobile traffic (minutes/subscriber/month)	64.7	80.4	293.4
Individuals using the Internet (%)	21.6	51.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	80	..	99
International Internet bandwidth (bit/s per Internet user)	..	128,157	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	13.4	8.9
Mobile-cellular sub-basket (\$ a month)	..	24.9	12.4
Fixed-broadband sub-basket (\$ a month)	..	36.2	17.3
Trade			
ICT goods exports (% of total goods exports)	4.8	..	18.0
ICT goods imports (% of total goods imports)	5.5	..	15.1
ICT service exports (% of total service exports)	5.9	7.6	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.24	0.37
Secure Internet servers (per million people)	36.3	92.6	23.3

St. Martin (French part)

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.03	0.03	1,399
Urban population (% of total)	..	..	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	..	39.9
Mobile-cellular telephone subscriptions (per 100 people)	..	..	123.3
Fixed-broadband subscriptions (per 100 people)	..	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	..	..	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	..	32.3	928.0

St. Vincent and the Grenadines

	Latin America & Caribbean		Upper middle income
			Upper middle-income group
	Country data		
	2005	2014	2014
Economic and social context			
Population (millions)	0.11	0.11	2,361
Urban population (% of total)	47	50	62
GNI per capita, World Bank Atlas method (\$)	4,950	6,560	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.9	0.3	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	78	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.6	7.2	2.4
Telecommunications investment (% of revenue)	..	10.5	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.7	21.9	17.6
Mobile-cellular telephone subscriptions (per 100 people)	64.9	105.2	101.4
Fixed-broadband subscriptions (per 100 people)	3.4	14.9	11.7
Households with a computer (%)	16.8	68.9	46.0
Households with Internet access at home (%)	14.1	58.5	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	58.9	34.7	1.6
Domestic mobile traffic (minutes/subscriber/month)	49.4	45.2	293.4
Individuals using the Internet (%)	9.2 ^a	56.5	47.7
Quality			
Population covered by a mobile-cellular network (%)	100	100	99
International Internet bandwidth (bit/s per Internet user)	299,909	148,285	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	22.3	12.4
Fixed-broadband sub-basket (\$ a month)	..	33.6	17.3
Trade			
ICT goods exports (% of total goods exports)	1.4	2.5	18.0
ICT goods imports (% of total goods imports)	6.4	3.3	15.1
ICT service exports (% of total service exports)	24.8	25.1	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.43	0.16	0.37
Secure Internet servers (per million people)	101.2	192.0	23.3

Sudan

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions) ^b	32	39	2,879
Urban population (% of total) ^b	33	34	39
GNI per capita, World Bank Atlas method (\$)	560	1,710	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %) ^c	6.3	3.5	5.9
Adult literacy rate (% ages 15 and older) ^b	61	74	73
Gross primary, secondary, tertiary school enrollment (%) ^b	42	47	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	1.5	2.3
Telecommunications investment (% of revenue)	384.0	332.4	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.5	1.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	4.8	72.2	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	2.4
Households with a computer (%)	3.0	16.6	17.0
Households with Internet access at home (%)	0.6	32.2	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	5.6	7.6	8.8
Domestic mobile traffic (minutes/subscriber/month)	81.1	26.3	147.6
Individuals using the Internet (%)	1.3	24.6	22.6
Quality			
Population covered by a mobile-cellular network (%)	34	89	94
International Internet bandwidth (bit/s per Internet user)	407	2,499	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.7	5.0
Mobile-cellular sub-basket (\$ a month)	..	3.7	7.7
Fixed-broadband sub-basket (\$ a month)	..	5.7	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	4.2	3.8	8.0
ICT service exports (% of total service exports)	2.7	9.3	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.29	0.24
Secure Internet servers (per million people)	0.0	0.0	5.9

Suriname

Latin America & Caribbean

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.49	0.54	2,361
Urban population (% of total)	67	66	62
GNI per capita, World Bank Atlas method (\$)	3,380	9,470	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.9	4.2	6.0
Adult literacy rate (% ages 15 and older)	90	95	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	4.7	2.4
Telecommunications investment (% of revenue)	32.4	14.7	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.2	15.6	17.6
Mobile-cellular telephone subscriptions (per 100 people)	46.6	170.6	101.4
Fixed-broadband subscriptions (per 100 people)	0.2	8.5	11.7
Households with a computer (%)	17.3	35.8	46.0
Households with Internet access at home (%)	5.2	20.5	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	28.9	1.6
Domestic mobile traffic (minutes/subscriber/month)	43.0	70.6	293.4
Individuals using the Internet (%)	6.4	40.1	47.7
Quality			
Population covered by a mobile-cellular network (%)	..	100	99
International Internet bandwidth (bit/s per Internet user)	1,407	50,458	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	2.9	8.9
Mobile-cellular sub-basket (\$ a month)	..	14.4	12.4
Fixed-broadband sub-basket (\$ a month)	..	41.5	17.3
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	18.0
ICT goods imports (% of total goods imports)	3.3	2.8	15.1
ICT service exports (% of total service exports)	..	29.4	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.14	0.37
Secure Internet servers (per million people)	10.2	55.7	23.3

Swaziland

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	1	2,879
Urban population (% of total)	22	21	39
GNI per capita, World Bank Atlas method (\$)	2,390	2,700	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	2.2	5.9
Adult literacy rate (% ages 15 and older)	82	83	73
Gross primary, secondary, tertiary school enrollment (%)	61	67	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	12.4	4.7	2.3
Telecommunications investment (% of revenue)	13.2	6.8	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.0	3.5	4.0
Mobile-cellular telephone subscriptions (per 100 people)	18.1	72.3	87.1
Fixed-broadband subscriptions (per 100 people)	..	0.3	2.4
Households with a computer (%)	4.9	17.0	17.0
Households with Internet access at home (%)	3.0	18.4	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	8.3	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	45.2	147.6
Individuals using the Internet (%)	3.7	27.1	22.6
Quality			
Population covered by a mobile-cellular network (%)	90	97	94
International Internet bandwidth (bit/s per Internet user)	24	1,717	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.1	5.0
Mobile-cellular sub-basket (\$ a month)	..	16.9	7.7
Fixed-broadband sub-basket (\$ a month)	..	57.0	18.6
Trade			
ICT goods exports (% of total goods exports)	0.2	..	6.2
ICT goods imports (% of total goods imports)	2.2	..	8.0
ICT service exports (% of total service exports)	15.6	48.0	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.13	0.24
Secure Internet servers (per million people)	1.8	10.2	5.9

Sweden

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	9	10	1,399
Urban population (% of total)	84	86	81
GNI per capita, World Bank Atlas method (\$)	45,350	61,600	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.7	1.2	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	95	105	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	1.7	1.4	2.6
Telecommunications investment (% of revenue)	17.8	18.3	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	62.4	39.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	100.8	127.8	123.3
Fixed-broadband subscriptions (per 100 people)	27.9	34.2	28.0
Households with a computer (%)	80.0	93.4	80.3
Households with Internet access at home (%)	72.5	89.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	90.8	164.9	188.0
Individuals using the Internet (%)	84.8	92.5	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	20,578	527,447	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	28.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	20.5	18.7
Fixed-broadband sub-basket (\$ a month)	..	38.2	26.9
Trade			
ICT goods exports (% of total goods exports)	11.2	6.7	8.2
ICT goods imports (% of total goods imports)	11.1	9.7	10.5
ICT service exports (% of total service exports)	46.2	46.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.92	0.70	0.67
Secure Internet servers (per million people)	331.2	1,602.2	928.0

Switzerland

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	7	8	1,399
Urban population (% of total)	73	74	81
GNI per capita, World Bank Atlas method (\$)	61,550	90,670	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.3	1.7	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	85	87	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	3.2	2.3	2.6
Telecommunications investment (% of revenue)	12.6	20.0	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	69.5	53.6	39.9
Mobile-cellular telephone subscriptions (per 100 people)	92.2	140.5	123.3
Fixed-broadband subscriptions (per 100 people)	22.5	46.0	28.0
Households with a computer (%)	76.5	87.6	80.3
Households with Internet access at home (%)	67.0 ^a	90.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	57.6	88.0	188.0
Individuals using the Internet (%)	70.1	87.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	13,760	352,243	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	33.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	19.4	18.7
Fixed-broadband sub-basket (\$ a month)	..	36.7	26.9
Trade			
ICT goods exports (% of total goods exports)	2.6	1.5	8.2
ICT goods imports (% of total goods imports)	7.4	5.6	10.5
ICT service exports (% of total service exports)	19.8	25.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.76	0.50	0.67
Secure Internet servers (per million people)	472.8	2,820.4	928.0

Syrian Arab Republic

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	18	22	2,879
Urban population (% of total)	54	57	39
GNI per capita, World Bank Atlas method (\$)	1,530	..	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.7	..	5.9
Adult literacy rate (% ages 15 and older)	81	86	73
Gross primary, secondary, tertiary school enrollment (%)	70	51	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	P	P	
Internet service	P	M	
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)	12.6	..	2.3
Telecommunications investment (% of revenue)	7.5	5.1	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.0	18.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	16.2	70.9	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	1.7	2.4
Households with a computer (%)	28.0	47.6	17.0
Households with Internet access at home (%)	26.0	40.9	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	13.6	13.8	8.8
Domestic mobile traffic (minutes/subscriber/month)	130.2	64.6	147.6
Individuals using the Internet (%)	5.6	28.1	22.6
Quality			
Population covered by a mobile-cellular network (%)	92	91	94
International Internet bandwidth (bit/s per Internet user)	333	4,048	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.3	5.0
Mobile-cellular sub-basket (\$ a month)	..	21.3	7.7
Fixed-broadband sub-basket (\$ a month)	..	21.6	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	3.3	2.2	8.0
ICT service exports (% of total service exports)	9.3	2.5	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.36	0.16	0.24
Secure Internet servers (per million people)	0.1	0.5	5.9

Tajikistan

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	7	8	2,879
Urban population (% of total)	26	27	39
GNI per capita, World Bank Atlas method (\$)	320	1,080	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	10.1	6.8	5.9
Adult literacy rate (% ages 15 and older)	99	100	73
Gross primary, secondary, tertiary school enrollment (%)	69	70	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Mixed	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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	..	2.3
Telecommunications investment (% of revenue)	71.4	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.1	5.2	4.0
Mobile-cellular telephone subscriptions (per 100 people)	3.9	95.1	87.1
Fixed-broadband subscriptions (per 100 people)	0.1	0.1	2.4
Households with a computer (%)	1.0	9.2	17.0
Households with Internet access at home (%)	0.3	7.2	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	7.3	..	147.6
Individuals using the Internet (%)	0.3	17.5	22.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	94
International Internet bandwidth (bit/s per Internet user)	98	3,944	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.9	5.0
Mobile-cellular sub-basket (\$ a month)	..	8.5	7.7
Fixed-broadband sub-basket (\$ a month)	..	362.5	18.6
Trade			
ICT goods exports (% of total goods exports)	..	..	6.2
ICT goods imports (% of total goods imports)	..	..	8.0
ICT service exports (% of total service exports)	19.2	48.4	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.32	0.06	0.24
Secure Internet servers (per million people)	..	1.4	5.9

Tanzania

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	39	52	622
Urban population (% of total)	25	31	30
GNI per capita, World Bank Atlas method (\$)	340	930	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	7.2	6.4	6.1
Adult literacy rate (% ages 15 and older)	69	79	57
Gross primary, secondary, tertiary school enrollment (%)	..	53	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	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)	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	0.9
Mobile-cellular telephone subscriptions (per 100 people)	7.6	62.8	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.2	0.2
Households with a computer (%)	2.1	3.8	4.5
Households with Internet access at home (%)	0.5	4.1	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.2	1.2	..
Domestic mobile traffic (minutes/subscriber/month)	7.1	106.1	39.8
Individuals using the Internet (%)	1.1	4.9	6.3
Quality			
Population covered by a mobile-cellular network (%)	45	95	..
International Internet bandwidth (bit/s per Internet user)	234	6,081	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.1	8.7
Mobile-cellular sub-basket (\$ a month)	..	9.4	11.7
Fixed-broadband sub-basket (\$ a month)	..	18.7	44.9
Trade			
ICT goods exports (% of total goods exports)	0.3	0.2	..
ICT goods imports (% of total goods imports)	5.8	3.4	2.7
ICT service exports (% of total service exports)	10.1	13.0	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.30	0.11
Secure Internet servers (per million people)	0.1	1.5	1.2

Thailand

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	66	68	2,361
Urban population (% of total)	38	49	62
GNI per capita, World Bank Atlas method (\$)	2,590	5,370	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.5	3.0	6.0
Adult literacy rate (% ages 15 and older)	94	96	94
Gross primary, secondary, tertiary school enrollment (%)	72	79	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	P	
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)	3.2	2.3	2.4
Telecommunications investment (% of revenue)	10.0	29.5	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.7	8.5	17.6
Mobile-cellular telephone subscriptions (per 100 people)	46.5	144.4	101.4
Fixed-broadband subscriptions (per 100 people)	0.8	8.2	11.7
Households with a computer (%)	15.5	33.9	46.0
Households with Internet access at home (%)	7.2 ^a	33.8	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	1.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	39.2	293.4
Individuals using the Internet (%)	15.0	34.9	47.7
Quality			
Population covered by a mobile-cellular network (%)	26	100	99
International Internet bandwidth (bit/s per Internet user)	691	46,826	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.2	8.9
Mobile-cellular sub-basket (\$ a month)	..	5.4	12.4
Fixed-broadband sub-basket (\$ a month)	..	22.5	17.3
Trade			
ICT goods exports (% of total goods exports)	23.4	15.6	18.0
ICT goods imports (% of total goods imports)	17.4	11.3	15.1
ICT service exports (% of total service exports)	25.7	17.4	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.50	0.44	0.37
Secure Internet servers (per million people)	4.7	23.3	23.3

Timor-Leste

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	1	2,879
Urban population (% of total)	26	32	39
GNI per capita, World Bank Atlas method (\$)	910	3,120	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.0	9.8	5.9
Adult literacy rate (% ages 15 and older)	51	58	73
Gross primary, secondary, tertiary school enrollment (%)	..	72	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone operator	Public	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	5.9	2.3
Telecommunications investment (% of revenue)	16.9	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.2	0.3	4.0
Mobile-cellular telephone subscriptions (per 100 people)	3.3	58.7	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	2.4
Households with a computer (%)	..	..	17.0
Households with Internet access at home (%)	..	..	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	20.0	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	70.6	..	147.6
Individuals using the Internet (%)	0.1	1.1	22.6
Quality			
Population covered by a mobile-cellular network (%)	50	92	94
International Internet bandwidth (bit/s per Internet user)	5,071	17,467	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	19.7	5.0
Mobile-cellular sub-basket (\$ a month)	..	14.0	7.7
Fixed-broadband sub-basket (\$ a month)	..	49.0	18.6
Trade			
ICT goods exports (% of total goods exports)	5.2	11.0	6.2
ICT goods imports (% of total goods imports)	3.4	6.4	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.25	0.20	0.24
Secure Internet servers (per million people)	1.0	0.8	5.9

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	6	7	622
Urban population (% of total)	35	39	30
GNI per capita, World Bank Atlas method (\$)	360	570	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.5	4.1	6.1
Adult literacy rate (% ages 15 and older)	57	60	57
Gross primary, secondary, tertiary school enrollment (%)	61	73	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	M	
Mobile telephone service	P	M	
Internet service	C	M	
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	8.9	..
Telecommunications investment (% of revenue)	34.7	23.6	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.1	0.9	0.9
Mobile-cellular telephone subscriptions (per 100 people)	7.8	69.0	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	0.2
Households with a computer (%)	1.0	3.2	4.5
Households with Internet access at home (%)	..	3.3	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	22.5	7.6	..
Domestic mobile traffic (minutes/subscriber/month)	22.0	29.4	39.8
Individuals using the Internet (%)	1.8	5.7	6.3
Quality			
Population covered by a mobile-cellular network (%)	85	91	..
International Internet bandwidth (bit/s per Internet user)	143	6,523	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	8.4	8.7
Mobile-cellular sub-basket (\$ a month)	..	17.0	11.7
Fixed-broadband sub-basket (\$ a month)	..	45.1	44.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	..
ICT goods imports (% of total goods imports)	3.9	1.3	2.7
ICT service exports (% of total service exports)	23.8	13.5	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.22	0.11	0.11
Secure Internet servers (per million people)	0.4	4.2	1.2

Tonga

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.10	0.11	2,361
Urban population (% of total)	23	24	62
GNI per capita, World Bank Atlas method (\$)	2,500	4,290	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.2	0.8	6.0
Adult literacy rate (% ages 15 and older)	99	99	94
Gross primary, secondary, tertiary school enrollment (%)	88	..	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.6	11.3	17.6
Mobile-cellular telephone subscriptions (per 100 people)	29.6	64.3	101.4
Fixed-broadband subscriptions (per 100 people)	0.6	1.7	11.7
Households with a computer (%)	16.0	34.0	46.0
Households with Internet access at home (%)	5.0	35.7	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	4.9	40.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	70	..	99
International Internet bandwidth (bit/s per Internet user)	404	11,817	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.4	8.9
Mobile-cellular sub-basket (\$ a month)	..	11.0	12.4
Fixed-broadband sub-basket (\$ a month)	..	62.3	17.3
Trade			
ICT goods exports (% of total goods exports)	..	1.1	18.0
ICT goods imports (% of total goods imports)	2.8	3.8	15.1
ICT service exports (% of total service exports)	16.3	11.8	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.40	0.35	0.37
Secure Internet servers (per million people)	9.8	28.4	23.3

Trinidad and Tobago

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	1	1	1,399
Urban population (% of total)	10	9	81
GNI per capita, World Bank Atlas method (\$)	11,040	15,550	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	8.7	1.2	1.1
Adult literacy rate (% ages 15 and older)	98	99	99
Gross primary, secondary, tertiary school enrollment (%)	67	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	P	
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)	2.4	2.9	2.6
Telecommunications investment (% of revenue)	..	7.1	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.9	21.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	71.3	147.3	123.3
Fixed-broadband subscriptions (per 100 people)	0.8	17.5	28.0
Households with a computer (%)	31.0	64.0	80.3
Households with Internet access at home (%)	17.0	50.0	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	27.0	19.1	..
Domestic mobile traffic (minutes/subscriber/month)	272.8	190.7	188.0
Individuals using the Internet (%)	29.0	65.1	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	1,304	48,903	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	3.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	15.0	18.7
Fixed-broadband sub-basket (\$ a month)	..	12.3	26.9
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	8.2
ICT goods imports (% of total goods imports)	4.0	3.1	10.5
ICT service exports (% of total service exports)	8.9	85.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.53	0.33	0.67
Secure Internet servers (per million people)	21.6	111.5	928.0

Tunisia

Middle East & North Africa

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	10	11	2,361
Urban population (% of total)	65	67	62
GNI per capita, World Bank Atlas method (\$)	3,190	4,210	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.2	3.6	6.0
Adult literacy rate (% ages 15 and older)	74	80	94
Gross primary, secondary, tertiary school enrollment (%)	..	79	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	P	
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)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.7	2.4
Telecommunications investment (% of revenue)	21.7	24.3	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	12.5	8.5	17.6
Mobile-cellular telephone subscriptions (per 100 people)	56.5	128.5	101.4
Fixed-broadband subscriptions (per 100 people)	0.2	4.4	11.7
Households with a computer (%)	7.2	33.1	46.0
Households with Internet access at home (%)	2.1	28.8	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	7.1	9.3	1.6
Domestic mobile traffic (minutes/subscriber/month)	35.5	152.2	293.4
Individuals using the Internet (%)	9.7	46.2	47.7
Quality			
Population covered by a mobile-cellular network (%)	98	99	99
International Internet bandwidth (bit/s per Internet user)	773	25,972	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	5.2	8.9
Mobile-cellular sub-basket (\$ a month)	..	5.9	12.4
Fixed-broadband sub-basket (\$ a month)	..	6.1	17.3
Trade			
ICT goods exports (% of total goods exports)	2.0	5.8	18.0
ICT goods imports (% of total goods imports)	4.6	5.0	15.1
ICT service exports (% of total service exports)	5.1	10.1	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.35	0.64	0.37
Secure Internet servers (per million people)	1.4	17.9	23.3

Turkey

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	68	76	2,361
Urban population (% of total)	68	73	62
GNI per capita, World Bank Atlas method (\$)	6,510	10,840	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.2	3.6	6.0
Adult literacy rate (% ages 15 and older)	88	95	94
Gross primary, secondary, tertiary school enrollment (%)	74	97	80
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	P	M	
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)	2.6	2.1	2.4
Telecommunications investment (% of revenue)	11.0	19.0	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	28.0	16.5	17.6
Mobile-cellular telephone subscriptions (per 100 people)	64.4	94.8	101.4
Fixed-broadband subscriptions (per 100 people)	2.3	11.7	11.7
Households with a computer (%)	12.0	56.0	46.0
Households with Internet access at home (%)	7.7	60.2	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	3.9	5.6	1.6
Domestic mobile traffic (minutes/subscriber/month)	68.3	209.0	293.4
Individuals using the Internet (%)	15.5	51.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	96	100	99
International Internet bandwidth (bit/s per Internet user)	2,788	42,911	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	12.0	8.9
Mobile-cellular sub-basket (\$ a month)	..	26.5	12.4
Fixed-broadband sub-basket (\$ a month)	..	11.5	17.3
Trade			
ICT goods exports (% of total goods exports)	4.4	1.5	18.0
ICT goods imports (% of total goods imports)	6.1	4.6	15.1
ICT service exports (% of total service exports)	2.2	1.2	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.56	0.37
Secure Internet servers (per million people)	18.1	57.3	23.3

Turkmenistan

Europe & Central Asia

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	5	5	2,361
Urban population (% of total)	47	50	62
GNI per capita, World Bank Atlas method (\$)	1,600	8,020	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.5	10.9	6.0
Adult literacy rate (% ages 15 and older)	..	100	94
Gross primary, secondary, tertiary school enrollment (%)	..	61	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	8.4	11.8	17.6
Mobile-cellular telephone subscriptions (per 100 people)	2.2	135.8	101.4
Fixed-broadband subscriptions (per 100 people)	..	0.0	11.7
Households with a computer (%)	1.9	..	46.0
Households with Internet access at home (%)	0.9	..	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	..	..	293.4
Individuals using the Internet (%)	1.0	12.2	47.7
Quality			
Population covered by a mobile-cellular network (%)	14	..	99
International Internet bandwidth (bit/s per Internet user)	1,605	1,746	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.9
Mobile-cellular sub-basket (\$ a month)	..	..	12.4
Fixed-broadband sub-basket (\$ a month)	..	..	17.3
Trade			
ICT goods exports (% of total goods exports)	..	..	18.0
ICT goods imports (% of total goods imports)	..	..	15.1
ICT service exports (% of total service exports)	..	..	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.33	0.09	0.37
Secure Internet servers (per million people)	..	0.4	23.3

Turks and Caicos Islands

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.03	0.03	1,399
Urban population (% of total)	88	92	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	..	..	39.9
Mobile-cellular telephone subscriptions (per 100 people)	..	..	123.3
Fixed-broadband subscriptions (per 100 people)	..	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	..	..	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	..	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	4.0	1.9	8.2
ICT goods imports (% of total goods imports)	4.6	3.0	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	..	266.7	928.0

Tuvalu

East Asia & Pacific

Upper middle income

	Country data		Upper middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.01	0.01	2,361
Urban population (% of total)	50	59	62
GNI per capita, World Bank Atlas method (\$)	3,740	5,840	7,873
GDP growth, 2000-05 and 2005-14 (avg. annual %)	0.2	2.1	6.0
Adult literacy rate (% ages 15 and older)	..	..	94
Gross primary, secondary, tertiary school enrollment (%)	..	..	80
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.4
Telecommunications investment (% of revenue)	..	..	19.7
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.2	15.2	17.6
Mobile-cellular telephone subscriptions (per 100 people)	13.4	38.4	101.4
Fixed-broadband subscriptions (per 100 people)	1.5	7.1	11.7
Households with a computer (%)	..	23.4	46.0
Households with Internet access at home (%)	..	19.7	45.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	1.6
Domestic mobile traffic (minutes/subscriber/month)	2.9	..	293.4
Individuals using the Internet (%)	10.0	37.0	47.7
Quality			
Population covered by a mobile-cellular network (%)	13	..	99
International Internet bandwidth (bit/s per Internet user)	3,073	1,159	21,253
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	8.9
Mobile-cellular sub-basket (\$ a month)	..	..	12.4
Fixed-broadband sub-basket (\$ a month)	..	..	17.3
Trade			
ICT goods exports (% of total goods exports)	7.3	..	18.0
ICT goods imports (% of total goods imports)	6.1	..	15.1
ICT service exports (% of total service exports)	19.0	10.7	27.4
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.04	0.37
Secure Internet servers (per million people)	..	..	23.3

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	28	38	622
Urban population (% of total)	13	16	30
GNI per capita, World Bank Atlas method (\$)	300	680	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.9	6.9	6.1
Adult literacy rate (% ages 15 and older)	71	70	57
Gross primary, secondary, tertiary school enrollment (%)	64	61	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	P	M	
Mobile telephone service	P	M	
Internet service	C	M	
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)	3.2	3.2	..
Telecommunications investment (% of revenue)	23.4	32.6	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.8	0.9
Mobile-cellular telephone subscriptions (per 100 people)	4.6	52.4	57.2
Fixed-broadband subscriptions (per 100 people)	0.0	0.3	0.2
Households with a computer (%)	0.8	5.8	4.5
Households with Internet access at home (%)	0.1	6.2	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	119.4	61.3	39.8
Individuals using the Internet (%)	1.7	17.7	6.3
Quality			
Population covered by a mobile-cellular network (%)	70	100	..
International Internet bandwidth (bit/s per Internet user)	121	4,002	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	9.0	8.7
Mobile-cellular sub-basket (\$ a month)	..	9.4	11.7
Fixed-broadband sub-basket (\$ a month)	..	13.7	44.9
Trade			
ICT goods exports (% of total goods exports)	2.0	2.3	..
ICT goods imports (% of total goods imports)	7.5	5.4	2.7
ICT service exports (% of total service exports)	13.4	17.3	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.31	0.15	0.11
Secure Internet servers (per million people)	0.0	1.6	1.2

Ukraine

	Europe & Central Asia		Lower middle income
			Lower middle-income group
	Country data		2014
	2005	2014	2014
Economic and social context			
Population (millions)	47	45	2,879
Urban population (% of total)	68	69	39
GNI per capita, World Bank Atlas method (\$)	1,540	3,560	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	8.0	0.1	5.9
Adult literacy rate (% ages 15 and older)	99	100	73
Gross primary, secondary, tertiary school enrollment (%)	88	95	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9	3.3	2.3
Telecommunications investment (% of revenue)	32.8	14.4	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	24.8	24.6	4.0
Mobile-cellular telephone subscriptions (per 100 people)	63.7	144.1	87.1
Fixed-broadband subscriptions (per 100 people)	0.3	8.4	2.4
Households with a computer (%)	11.5	52.4	17.0
Households with Internet access at home (%)	3.0	43.0	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	3.7	43.4	22.6
Quality			
Population covered by a mobile-cellular network (%)	96	100	94
International Internet bandwidth (bit/s per Internet user)	461	40,704	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	4.4	5.0
Mobile-cellular sub-basket (\$ a month)	..	7.2	7.7
Fixed-broadband sub-basket (\$ a month)	..	6.3	18.6
Trade			
ICT goods exports (% of total goods exports)	0.5	0.9	6.2
ICT goods imports (% of total goods imports)	4.0	3.8	8.0
ICT service exports (% of total service exports)	7.6	30.7	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.27	0.24
Secure Internet servers (per million people)	1.3	45.5	5.9

United Arab Emirates

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	4	9	1,399
Urban population (% of total)	82	85	81
GNI per capita, World Bank Atlas method (\$)	38,390	45,200	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.8	2.7	1.1
Adult literacy rate (% ages 15 and older)	90	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.2	2.6
Telecommunications investment (% of revenue)	9.8	36.2	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	29.8	22.3	39.9
Mobile-cellular telephone subscriptions (per 100 people)	109.3	178.1	123.3
Fixed-broadband subscriptions (per 100 people)	3.1	11.5	28.0
Households with a computer (%)	36.5	87.9	80.3
Households with Internet access at home (%)	30.4	90.1	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	45.6	..
Domestic mobile traffic (minutes/subscriber/month)	..	98.6	188.0
Individuals using the Internet (%)	40.0	90.4	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	3,082	44,503	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.6	23.7
Mobile-cellular sub-basket (\$ a month)	..	9.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	54.2	26.9
Trade			
ICT goods exports (% of total goods exports)	4.3	..	8.2
ICT goods imports (% of total goods imports)	8.1	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.63	0.88	0.67
Secure Internet servers (per million people)	49.8	294.4	928.0

United Kingdom

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	60	65	1,399
Urban population (% of total)	80	82	81
GNI per capita, World Bank Atlas method (\$)	41,010	42,690	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	3.0	0.6	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	92	102	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
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)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	1.8	2.6
Telecommunications investment (% of revenue)	..	12.7	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	56.5	52.4	39.9
Mobile-cellular telephone subscriptions (per 100 people)	108.6	123.6	123.3
Fixed-broadband subscriptions (per 100 people)	16.4	37.4	28.0
Households with a computer (%)	70.0	90.8	80.3
Households with Internet access at home (%)	60.2	89.9	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	87.6	142.1	188.0
Individuals using the Internet (%)	70.0	91.6	80.6
Quality			
Population covered by a mobile-cellular network (%)	99 ^a	100	100
International Internet bandwidth (bit/s per Internet user)	52,831	429,830	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	32.8	23.7
Mobile-cellular sub-basket (\$ a month)	..	42.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	15.6	26.9
Trade			
ICT goods exports (% of total goods exports)	13.5	3.8	8.2
ICT goods imports (% of total goods imports)	12.9	7.9	10.5
ICT service exports (% of total service exports)	30.4	34.0	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.79	0.90	0.67
Secure Internet servers (per million people)	464.7	1,291.2	928.0

United States

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	296	319	1,399
Urban population (% of total)	80	81	81
GNI per capita, World Bank Atlas method (\$)	46,340	55,200	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	2.6	1.1	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	93	95	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	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	3.5	2.6
Telecommunications investment (% of revenue)	18.7	14.4	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	58.7	40.1	39.9
Mobile-cellular telephone subscriptions (per 100 people)	68.3	98.4	123.3
Fixed-broadband subscriptions (per 100 people)	17.2	30.4	28.0
Households with a computer (%)	67.1	81.5	80.3
Households with Internet access at home (%)	58.1	79.6	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	20.1	18.5	..
Domestic mobile traffic (minutes/subscriber/month)	..	386.1	188.0
Individuals using the Internet (%)	68.0	87.4	80.6
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
International Internet bandwidth (bit/s per Internet user)	7,185	70,970	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	21.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	35.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	32.7	26.9
Trade			
ICT goods exports (% of total goods exports)	14.3	8.9	8.2
ICT goods imports (% of total goods imports)	13.7	13.0	10.5
ICT service exports (% of total service exports)	19.8	23.3	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.86	0.94	0.67
Secure Internet servers (per million people)	785.2	1,548.2	928.0

Uruguay

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	3	1,399
Urban population (% of total)	93	95	81
GNI per capita, World Bank Atlas method (\$)	4,720	16,350	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-0.0	5.4	1.1
Adult literacy rate (% ages 15 and older)	98	98	99
Gross primary, secondary, tertiary school enrollment (%)	90	90	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.5	2.6
Telecommunications investment (% of revenue)	8.0	9.7	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	30.3	31.7	39.9
Mobile-cellular telephone subscriptions (per 100 people)	34.7	160.8	123.3
Fixed-broadband subscriptions (per 100 people)	1.5	24.6	28.0
Households with a computer (%)	22.1	67.4	80.3
Households with Internet access at home (%)	13.5 ^a	57.4	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	8.9	5.1	..
Domestic mobile traffic (minutes/subscriber/month)	28.1	96.5	188.0
Individuals using the Internet (%)	20.1	61.5	80.6
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
International Internet bandwidth (bit/s per Internet user)	2,395	60,807	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	11.3	23.7
Mobile-cellular sub-basket (\$ a month)	..	21.1	18.7
Fixed-broadband sub-basket (\$ a month)	..	14.1	26.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	8.2
ICT goods imports (% of total goods imports)	6.3	6.1	10.5
ICT service exports (% of total service exports)	11.6	22.2	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.56	0.85	0.67
Secure Internet servers (per million people)	27.1	95.3	928.0

Uzbekistan

Europe & Central Asia

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	26	31	2,879
Urban population (% of total)	37	36	39
GNI per capita, World Bank Atlas method (\$)	530	2,090	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	5.3	8.5	5.9
Adult literacy rate (% ages 15 and older)	99	100	73
Gross primary, secondary, tertiary school enrollment (%)	75	70	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.9	2.3
Telecommunications investment (% of revenue)	31.7	17.3	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	6.9	8.6	4.0
Mobile-cellular telephone subscriptions (per 100 people)	2.8	73.8	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	1.1	2.4
Households with a computer (%)	1.0	10.6	17.0
Households with Internet access at home (%)	0.9	10.5	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	22.1	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	3.3	43.6	22.6
Quality			
Population covered by a mobile-cellular network (%)	75	92	94
International Internet bandwidth (bit/s per Internet user)	164	1,291	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.0	5.0
Mobile-cellular sub-basket (\$ a month)	..	2.9	7.7
Fixed-broadband sub-basket (\$ a month)	..	8.1	18.6
Trade			
ICT goods exports (% of total goods exports)	..	..	6.2
ICT goods imports (% of total goods imports)	..	..	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.45	0.24
Secure Internet servers (per million people)	0.0	1.7	5.9

Vanuatu

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.21	0.26	2,879
Urban population (% of total)	23	26	39
GNI per capita, World Bank Atlas method (\$)	1,780	3,090	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.0	3.5	5.9
Adult literacy rate (% ages 15 and older)	78	84	73
Gross primary, secondary, tertiary school enrollment (%)	64	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	M	C	
Foreign ownership (not allowed, restricted, allowed)	No	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	4.8	2.3
Telecommunications investment (% of revenue)	20.0	24.6	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	3.3	2.2	4.0
Mobile-cellular telephone subscriptions (per 100 people)	6.1	60.4	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	1.8	2.4
Households with a computer (%)	4.0	22.0	17.0
Households with Internet access at home (%)	..	28.8	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	99.1	147.6
Individuals using the Internet (%)	5.1	18.8	22.6
Quality			
Population covered by a mobile-cellular network (%)	20	93	94
International Internet bandwidth (bit/s per Internet user)	376	2,471	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	41.7	5.0
Mobile-cellular sub-basket (\$ a month)	..	25.9	7.7
Fixed-broadband sub-basket (\$ a month)	..	108.5	18.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.0	6.2
ICT goods imports (% of total goods imports)	2.8	3.1	8.0
ICT service exports (% of total service exports)	6.5	2.0	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.25	0.08	0.24
Secure Internet servers (per million people)	133.7	27.0	5.9

Venezuela, RB

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	27	31	1,399
Urban population (% of total)	89	89	81
GNI per capita, World Bank Atlas method (\$)	4,920	12,890	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	1.5	2.5	1.1
Adult literacy rate (% ages 15 and older)	95	95	99
Gross primary, secondary, tertiary school enrollment (%)	76	..	95
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	C	M	
Internet service	C	M	
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)	3.5	3.0	2.6
Telecommunications investment (% of revenue)	27.5	15.7	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7	25.3	39.9
Mobile-cellular telephone subscriptions (per 100 people)	46.8	99.0	123.3
Fixed-broadband subscriptions (per 100 people)	1.3	7.8	28.0
Households with a computer (%)	10.3	43.7	80.3
Households with Internet access at home (%)	2.5	34.2	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	6.3	..	..
Domestic mobile traffic (minutes/subscriber/month)	91.6	112.0	188.0
Individuals using the Internet (%)	12.6	57.0	80.6
Quality			
Population covered by a mobile-cellular network (%)	90	..	100
International Internet bandwidth (bit/s per Internet user)	399	14,398	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.2	23.7
Mobile-cellular sub-basket (\$ a month)	..	10.6	18.7
Fixed-broadband sub-basket (\$ a month)	..	10.9	26.9
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	8.2
ICT goods imports (% of total goods imports)	11.9	4.2	10.5
ICT service exports (% of total service exports)	13.8	13.4	30.3
Applications			
Online service index (0-1, 1=highest presence)	0.51	0.55	0.67
Secure Internet servers (per million people)	4.6	12.2	928.0

Vietnam

East Asia & Pacific

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	82	91	2,879
Urban population (% of total)	27	33	39
GNI per capita, World Bank Atlas method (\$)	680	1,890	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.9	6.0	5.9
Adult literacy rate (% ages 15 and older)	90	..	73
Gross primary, secondary, tertiary school enrollment (%)	..	..	67
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line telephone 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)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	..	2.3
Telecommunications investment (% of revenue)	..	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.0	6.0	4.0
Mobile-cellular telephone subscriptions (per 100 people)	11.3	147.1	87.1
Fixed-broadband subscriptions (per 100 people)	0.2	6.5	2.4
Households with a computer (%)	6.3	20.5	17.0
Households with Internet access at home (%)	1.5	18.6	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	12.7	48.3	22.6
Quality			
Population covered by a mobile-cellular network (%)	70	..	94
International Internet bandwidth (bit/s per Internet user)	334	20,749	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	1.8	5.0
Mobile-cellular sub-basket (\$ a month)	..	3.6	7.7
Fixed-broadband sub-basket (\$ a month)	..	2.9	18.6
Trade			
ICT goods exports (% of total goods exports)	2.8	24.5	6.2
ICT goods imports (% of total goods imports)	6.1	19.9	8.0
ICT service exports (% of total service exports)	..	..	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.46	0.42	0.24
Secure Internet servers (per million people)	0.1	11.9	5.9

Virgin Islands (U.S.)

High income

	Country data		High-income group
	2005	2014	2014
Economic and social context			
Population (millions)	0.11	0.10	1,399
Urban population (% of total)	94	95	81
GNI per capita, World Bank Atlas method (\$)	..	..	38,317
GDP growth, 2000-05 and 2005-14 (avg. annual %)	..	..	1.1
Adult literacy rate (% ages 15 and older)	..	..	99
Gross primary, secondary, tertiary school enrollment (%)	..	..	95
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	..	..	2.6
Telecommunications investment (% of revenue)	..	..	16.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	66.5	71.3	39.9
Mobile-cellular telephone subscriptions (per 100 people)	74.5	..	123.3
Fixed-broadband subscriptions (per 100 people)	2.8	..	28.0
Households with a computer (%)	..	..	80.3
Households with Internet access at home (%)	..	..	81.0
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	..
Domestic mobile traffic (minutes/subscriber/month)	..	..	188.0
Individuals using the Internet (%)	27.3	50.1	80.6
Quality			
Population covered by a mobile-cellular network (%)	..	..	100
International Internet bandwidth (bit/s per Internet user)	1,527	..	131,821
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	23.7
Mobile-cellular sub-basket (\$ a month)	..	..	18.7
Fixed-broadband sub-basket (\$ a month)	..	..	26.9
Trade			
ICT goods exports (% of total goods exports)	..	..	8.2
ICT goods imports (% of total goods imports)	..	..	10.5
ICT service exports (% of total service exports)	..	..	30.3
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.67
Secure Internet servers (per million people)	213.2	422.4	928.0

West Bank and Gaza

Middle East & North Africa	Lower middle income		
	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	3	4	2,879
Urban population (% of total)	73	75	39
GNI per capita, World Bank Atlas method (\$)	1,660	3,060	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.5	3.9	5.9
Adult literacy rate (% ages 15 and older)	93	96	73
Gross primary, secondary, tertiary school enrollment (%)	79	76	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.7	..	2.3
Telecommunications investment (% of revenue)	5.1	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.5	9.1	4.0
Mobile-cellular telephone subscriptions (per 100 people)	15.9	72.1	87.1
Fixed-broadband subscriptions (per 100 people)	0.2	5.3	2.4
Households with a computer (%)	29.5	63.1	17.0
Households with Internet access at home (%)	15.9	48.3	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	..	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	16.0	53.7	22.6
Quality			
Population covered by a mobile-cellular network (%)	95	..	94
International Internet bandwidth (bit/s per Internet user)	421	14,700	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	..	5.0
Mobile-cellular sub-basket (\$ a month)	..	..	7.7
Fixed-broadband sub-basket (\$ a month)	..	..	18.6
Trade			
ICT goods exports (% of total goods exports)	0.5	0.6	6.2
ICT goods imports (% of total goods imports)	2.3	2.6	8.0
ICT service exports (% of total service exports)	27.7	18.2	51.1
Applications			
Online service index (0-1, 1=highest presence)	..	..	0.24
Secure Internet servers (per million people)	0.6	5.1	5.9

Yemen, Rep.

Middle East & North Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	21	26	2,879
Urban population (% of total)	29	34	39
GNI per capita, World Bank Atlas method (\$)	690	1,300	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	4.1	0.5	5.9
Adult literacy rate (% ages 15 and older)	54	68	73
Gross primary, secondary, tertiary school enrollment (%)	56	56	67
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line telephone 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	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	B	B	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	..	2.3
Telecommunications investment (% of revenue)	25.2	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.5	4.7	4.0
Mobile-cellular telephone subscriptions (per 100 people)	11.3	68.5	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	1.1	2.4
Households with a computer (%)	1.9	6.1	17.0
Households with Internet access at home (%)	1.4	5.1	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	14.7	13.4	8.8
Domestic mobile traffic (minutes/subscriber/month)	..	..	147.6
Individuals using the Internet (%)	1.0	22.6	22.6
Quality			
Population covered by a mobile-cellular network (%)	68	84	94
International Internet bandwidth (bit/s per Internet user)	28	2,220	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	0.9	5.0
Mobile-cellular sub-basket (\$ a month)	..	11.1	7.7
Fixed-broadband sub-basket (\$ a month)	..	14.7	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	6.2
ICT goods imports (% of total goods imports)	2.1	1.2	8.0
ICT service exports (% of total service exports)	15.8	22.0	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.21	0.31	0.24
Secure Internet servers (per million people)	0.1	0.7	5.9

Zambia

Sub-Saharan Africa

Lower middle income

	Country data		Lower middle-income group
	2005	2014	2014
Economic and social context			
Population (millions)	12	16	2,879
Urban population (% of total)	37	40	39
GNI per capita, World Bank Atlas method (\$)	550	1,680	2,012
GDP growth, 2000-05 and 2005-14 (avg. annual %)	6.2	7.9	5.9
Adult literacy rate (% ages 15 and older)	61	..	73
Gross primary, secondary, tertiary school enrollment (%)	..	..	67
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	M	
Mobile telephone service	P	M	
Internet service	P	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)	2.1	0.1	2.3
Telecommunications investment (% of revenue)	29.3	..	19.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	0.8	4.0
Mobile-cellular telephone subscriptions (per 100 people)	8.3	67.3	87.1
Fixed-broadband subscriptions (per 100 people)	0.0	0.1	2.4
Households with a computer (%)	1.4	6.6	17.0
Households with Internet access at home (%)	0.1	6.9	18.3
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	1.9	8.8
Domestic mobile traffic (minutes/subscriber/month)	28.2	60.9	147.6
Individuals using the Internet (%)	2.9	17.3	22.6
Quality			
Population covered by a mobile-cellular network (%)	65	78	94
International Internet bandwidth (bit/s per Internet user)	67	4,223	10,618
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	6.6	5.0
Mobile-cellular sub-basket (\$ a month)	..	17.6	7.7
Fixed-broadband sub-basket (\$ a month)	..	74.1	18.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	6.2
ICT goods imports (% of total goods imports)	4.6	2.2	8.0
ICT service exports (% of total service exports)	2.7	4.2	51.1
Applications			
Online service index (0-1, 1=highest presence)	0.23	0.14	0.24
Secure Internet servers (per million people)	0.2	3.4	5.9

Zimbabwe

Sub-Saharan Africa

Low income

	Country data		Low-income group
	2005	2014	2014
Economic and social context			
Population (millions)	13	15	622
Urban population (% of total)	34	33	30
GNI per capita, World Bank Atlas method (\$)	430	830	626
GDP growth, 2000-05 and 2005-14 (avg. annual %)	-8.5	3.0	6.1
Adult literacy rate (% ages 15 and older)	..	84	57
Gross primary, secondary, tertiary school enrollment (%)	54	62	59
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line telephone 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)	..	8.8	..
Telecommunications investment (% of revenue)	4.1	15.8	..
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.6	2.3	0.9
Mobile-cellular telephone subscriptions (per 100 people)	5.1	80.8	57.2
Fixed-broadband subscriptions (per 100 people)	0.1	1.0	0.2
Households with a computer (%)	2.0	7.6	4.5
Households with Internet access at home (%)	0.9	5.8	4.2
Usage			
Int'l. voice traffic, total (minutes/subscriber/month)	..	3.6	..
Domestic mobile traffic (minutes/subscriber/month)	51.7	32.1	39.8
Individuals using the Internet (%)	8.0	19.9	6.3
Quality			
Population covered by a mobile-cellular network (%)	70	84	..
International Internet bandwidth (bit/s per Internet user)	54	3,939	4,196
Affordability			
Fixed-telephone sub-basket (\$ a month)	..	10.2	8.7
Mobile-cellular sub-basket (\$ a month)	..	20.3	11.7
Fixed-broadband sub-basket (\$ a month)	..	30.0	44.9
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	..
ICT goods imports (% of total goods imports)	2.5	3.8	2.7
ICT service exports (% of total service exports)	..	..	21.5
Applications			
Online service index (0-1, 1=highest presence)	0.30	0.31	0.11
Secure Internet servers (per million people)	0.2	4.5	1.2

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) (w)

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) (w)

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. Data listed for 2014 are for 2013. (International Telecommunication Union) (m)

Fixed-broadband subscriptions refers to fixed 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, fiber-to-the-home/building, other fixed (wired)-broadband subscriptions, satellite broadband, and terrestrial fixed wireless broadband. 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 should include fixed WiMAX and any other fixed wireless technologies. It includes both residential subscriptions and subscriptions for organization (International Telecommunication Union) (w)

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. Data listed for 2014 are for 2013. (International Telecommunication Union) (m)

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

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). Data are based on self-reported information submitted by country administrations. (International Telecommunication Union)

Glossary

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 2005 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. (World Bank and Organisation for Economic Co-operation and Development) (w)

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) (w)

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) (w)

Households with a computer refers to the percentage of households with a computer at home. A computer includes a desktop computer, a laptop (portable) computer, or a tablet (or similar handheld computer). It does not include equipment with some embedded computing abilities such as smart TV sets, and devices with telephony as their primary function, such as smartphones. (International Telecommunication Union) (w)

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, tablet, PDA, games machine, digital TV, etc. (International Telecommunication Union) (w)

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. Data listed for 2014 are for 2013. (United Nations Conference on Trade and Development) (w)

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) (w)

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) (w)

International Internet bandwidth refers to the total used capacity of international Internet bandwidth, in bits per second per Internet user. Used international Internet bandwidth refers to the average traffic load (expressed in Mbit/s) of international fiber-optic cables and radio links for carrying Internet traffic. The average should be calculated over the 12-month period of the reference year, and should take into consideration the traffic of all international Internet links. If the traffic is asymmetric (i.e. more incoming [downlink] than outgoing [uplink] traffic), then the average incoming (downlink) traffic load should be provided. The combined average traffic load of different international Internet links can be reported as the addition of the average traffic load of each link. (International Telecommunication Union) (w)

International voice traffic, total is the sum of international incoming and outgoing telephone fixed and mobile telephone traffic (in minutes). Data listed for 2014 are for 2013. (International Telecommunication Union) (w)

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. (C = full competition, M = monopoly, P = partial competition). Data are based on self-reported information submitted by country administrations. (International Telecommunication Union)

Level of competition, Internet service, is the level of competition for retail Internet access service. (C = full competition, M = monopoly, P = partial competition). Data are based on self-reported information submitted by country administrations. (International Telecommunication Union)

Level of competition, mobile telephone service, is the level of competition for digital cellular mobile services. (C = full competition, M = monopoly, P = partial competition). Data are based on self-reported information submitted by country administrations. (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 postpaid tariffs may be used for countries where prepaid

Glossary

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. Data listed for 2014 are for 2013. (International Telecommunication Union) (m)

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 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) (w)

Online service index is one of the three component indicators for the United Nation's e-Government Development Index (EGDI). 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. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network) (m)

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) (s)

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) (w)

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 IP voice is permitted, but retail VoIP is banned, as well as cases where only the incumbent is licensed to provide VoIP. (A = allowed, B = banned, C = closed, No = no framework). Data are based on self-reported information submitted by country administrations. (International Telecommunication Union)

Secure Internet servers are the number of servers using encryption technology for Internet transactions. (Netcraft) (w)

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. Data are based on self-reported information submitted by country administrations. (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 that has remained 100 percent government-owned since its creation or has been re/nationalized; private refers to a fully private operator that is 100 percent private, either as a result of a privatization or created as such; and mixed refers to a partially private operator that has a portion of its shares sold to either a private operator or to the public (e.g., through initial public offerings or employee stock ownership plan), with the government remaining one of its shareholders. Data are based on self-reported information submitted by country administrations. (International Telecommunication Union)

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 nontangible 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. Data listed for 2014 are for 2013. (International Telecommunication Union) (m)

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. Data listed for 2014 are for 2013. (International Telecommunication Union) (w)

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

VoIP is Voice over Internet Protocol, a generic term.



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Telecommunication
Union**

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 GUINEA-BISSAU GUYANA HAITI HONDURAS HONG KONG SAR, CHINA HUNGARY ICELAND INDIA
 INDONESIA ISLAMIC REPUBLIC OF IRAN IRAQ IRELAND ISLE OF MAN ISRAEL ITALY JAMAICA
 JAPAN JORDAN KAZAKHSTAN KENYA KIRIBATI DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA
 REPUBLIC OF KOREA KOSOVO KUWAIT KYRGYZ REPUBLIC LAO PEOPLE'S DEMOCRATIC REPUBLIC
 LATVIA LEBANON LESOTHO LIBERIA LIBYA LIECHTENSTEIN LITHUANIA LUXEMBOURG MACAO
 SAR, CHINA FORMER YUGOSLAV REPUBLIC OF MACEDONIA MADAGASCAR MALAWI MALAYSIA
 MALDIVES MALI MALTA MARSHALL ISLANDS MAURITANIA MAURITIUS MEXICO FEDERATED
 STATES OF MICRONESIA MOLDOVA MONACO MONGOLIA MONTENEGRO MOROCCO MOZAMBIQUE
 MYANMAR NAMIBIA NEPAL NETHERLANDS NEW CALEDONIA NEW ZEALAND NICARAGUA NIGER
 NIGERIA NORTHERN MARIANA ISLANDS NORWAY OMAN PAKISTAN PALAU PANAMA PAPUA
 NEW GUINEA PARAGUAY PERU PHILIPPINES POLAND PORTUGAL PUERTO RICO QATAR ROMANIA
 RUSSIAN FEDERATION RWANDA SAMOA SAN MARINO SÃO TOMÉ AND PRÍNCIPE SAUDI ARABIA
 SENEGAL SERBIA SEYCHELLES SIERRA LEONE SINGAPORE SINT MAARTEN SLOVAK REPUBLIC
 SLOVENIA SOLOMON ISLANDS SOMALIA SOUTH AFRICA SOUTH SUDAN SPAIN SRI LANKA ST.
 KITTS AND NEVIS ST. LUCIA ST. MARTIN ST. VINCENT AND THE GRENADINES SUDAN SURINAME
 SWAZILAND SWEDEN SWITZERLAND SYRIAN ARAB REPUBLIC TAJIKISTAN TANZANIA THAILAND
 TIMOR-LESTE TOGO TONGA TRINIDAD AND TOBAGO TUNISIA TURKEY TURKMENISTAN TURKS
 AND CAICOS ISLANDS TUVALU UGANDA UKRAINE UNITED ARAB EMIRATES UNITED KINGDOM
 UNITED STATES URUGUAY UZBEKISTAN VANUATU REPÚBLICA BOLIVARIANA DE VENEZUELA
 VIETNAM U.S. VIRGIN ISLANDS WEST BANK AND GAZA REPUBLIC OF YEMEN ZAMBIA ZIMBABWE