

**2014**

States and Markets

5.11 World Development Indicators: Power and communications

	Electric power		Telephones access and use				Telephones quality	Telephones affordability and efficiency			
	Consumption per capita	Transmission and distribution losses	Fixed telephone	Mobile cellular	Fixed telephone	Mobile cellular network	Population covered by mobile cellular network	Fixed telephone sub-basket	Mobile cellular sub-basket	Telecom revenue	Mobile cellular and fixed-line subscribers per employee
	kWh	% of output	Subscriptions per 100 people	Subscriptions per 100 people	International voice traffic minutes per person	International voice traffic minutes per person	%	\$ per month	\$ per month	% of GDP	
	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	2012
Afghanistan	..	..	0	60	..	..	85	1.9	9.7	..	..
Albania	2,022	25	10	111	32	244	99	7.5	25.9	4.3	825
Algeria	1,091	19	8	98	25	58	..	6.4	14.1	2.9	..
American Samoa	..	..	18	..	..	..	..	..	..	..	..
Andorra	..	..	49	82	..	..	99	..	..	..	383
Angola	248	11	1	47	..	..	..	16.9	20.0	..	..
Antigua and Barbuda	..	..	37	143	768	..	100	12.8	25.3	..	397
Argentina	2,967	14	24	152	..	..	..	4.5	39.4	2.9	..
Armenia	1,755	12	20	112	30	293	100	3.0	8.8	4.2	757
Aruba	..	..	35	132	..	..	..	..	..	..	..
Australia	10,712	5	45	106	..	..	99	33.0	20.3	2.9	358
Austria	8,374	6	40	161	..	..	99	27.8	14.7	1.4	1,122
Azerbaijan	1,705	20	19	109	15	83	100	2.5	10.4	2.5	619
Bahamas, The	..	..	36	81	..	..	100	16.3	17.5	..	468
Bahrain	10,018	7	23	161	135	2,085	100	4.8	15.0	3.6	772
Bangladesh	259	10	1	63	57	105	99	2.6	1.6	7.5	171
Barbados	..	..	51	123	..	..	99	22.0	24.6	..	..
Belarus	3,628	11	47	114	54	54	100	1.4	8.4	1.7	561
Belgium	8,021	5	42	111	..	..	100	36.1	39.7	1.6	896
Belize	..	..	8	53	137	..	..	19.2	31.3	4.8	396
Benin	..	..	2	84	9	56	99	13.4	14.4	6.3	4,875
Bermuda	..	..	106	140	..	..	..	..	..	..	..
Bhutan	..	..	4	76	..	151	100	1.7	3.5	2.8	734
Bolivia	623	11	8	90	65	..	95	24.0	11.8	4.8	1,339
Bosnia and Herzegovina	3,189	10	23	88	187	84	100	10.4	15.4	4.7	524
Botswana	1,603	56	8	154	..	..	96	17.9	13.0	4.2	1,907
Brazil	2,438	16	22	125	..	1	100	29.8	60.2	2.9	1,221
Brunei Darussalam	8,507	7	17	114	..	..	..	12.5	20.8	..	..
Bulgaria	4,864	9	29	148	58	86	100	11.9	34.8	3.0	726
Burkina Faso	..	..	1	61	..	32	..	14.8	12.2	..	6,982
Burundi	..	..	0	23	2	14	..	..	..	..	1,726
Cabo Verde	..	..	14	86	95	177	96	10.8	32.9	7.9	701
Cambodia	164	28	4	129	..	..	..	3.8	7.5	5.5	1,333
Cameroon	256	10	3	60	2	17	..	17.9	18.8	3.5	2,788
Canada	16,473	5	51	80	..	..	99	29.3	40.8	2.5	392
Cayman Islands	..	..	65	172	..	..	100	..	..	..	..
Central African Republic	..	..	0	25	0	16	63	..	..	2.2	755
Chad	..	..	0	35	0	14	36	16.7	15.4	2.1	4,370
Channel Islands	..	..	..	..	..	..	..	..	..	..	..
Chile	3,568	7	19	138	25	9	100	35.1	22.8	..	698
China	3,298	6	20	81	4	1	..	4.9	2.3	2.1	..
Hong Kong SAR, China	5,949	14	61	229	1,461	671	100	14.1	1.8	3.6	1,130
Macao SAR, China	..	..	29	290	161	992	100	8.4	5.7	1.7	1,330
Colombia	1,123	12	13	103	79	..	100	10.0	22.7	5.4	1,080
Comoros	..	..	3	40	..	..	..	10.0	13.5	5.5	234
Congo, Dem. Rep.	105	13	0	31	0	11	50	9.9	11.9	5.8	9,745
Congo, Rep.	172	46	0	99	..	102	95	..	..	3.2	3,147
Costa Rica	1,844	11	21	112	..	17	..	4.7	3.8	2.3	660
Cote d'Ivoire	212	22	1	91	..	59	95	20.7	20.1	7.0	5,043
Croatia	3,901	17	38	115	103	53	100	15.3	17.6	3.6	797
Cuba	1,327	16	11	15	16	21	85	0.3	26.5	..	129
Curacao	..	..	..	..	..	..	..	..	..	..	..
Cyprus	4,271	3	33	98	244	390	100	25.2	8.4	3.1	472
Czech Republic	6,289	5	20	127	88	85	100	29.1	27.7	1.9	798
Denmark	6,122	7	43	118	169	183	..	30.5	10.3	2.0	639
Djibouti	..	..	2	25	..	..	95	6.9	13.2	..	194

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	kWh	% of output	Subscriptions per 100 people	Subscriptions per 100 people	International voice traffic minutes per person	International voice traffic minutes per person	%	\$ per month	\$ per month	% of GDP	
	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	2012
Dominica	..	..	20	152	127	171	90	10.7	15.4	7.8	654
Dominican Republic	893	30	10	87	116	34	95	16.6	14.9	3.3	1,128
Ecuador	1,192	17	15	106	48	17	96	6.9	17.1	2.3	1,846
Egypt, Arab Rep.	1,743	11	11	120	8	68	100	3.0	6.3	2.8	1,609
El Salvador	830	13	17	137	15	398	..	6.9	14.7	3.8	3,226
Equatorial Guinea	..	..	2	68	..	..	..	..	..	..	..
Eritrea	49	14	1	5	30	25	85	4.1	11.8	3.1	190
Estonia	6,279	7	35	160	67	138	100	12.8	24.6	2.6	648
Ethiopia	52	10	1	22	1	8	73	1.0	3.8	1.7	2,481
Faeroe Islands	..	..	38	119	..	..	100	..	..	..	329
Fiji	..	..	10	98	..	..	..	6.9	21.1	..	..
Finland	15,738	3	16	172	..	..	..	31.4	13.8	2.0	..
France	7,289	5	61	97	312	112	99	28.1	42.2	2.1	789
French Polynesia	..	..	20	83	61	53	98	..	..	..	..
Gabon	907	18	1	179	25	22	..	52.9	23.3	..	..
Gambia, The	..	..	4	85	..	..	..	3.5	6.0	..	598
Georgia	1,918	11	29	108	48	61	99	2.4	6.0	2.7	579
Germany	7,081	4	61	112	..	45	99	28.6	18.9	1.5	824
Ghana	344	18	1	101	12	67	87	5.2	6.6	2.4	5,207
Greece	5,380	5	49	120	133	151	100	25.4	43.3	3.1	1,009
Greenland	..	..	33	105	..	..	100	..	..	..	218
Grenada	..	..	27	121	..	..	..	13.4	14.7	6.7	551
Guam	..	..	41	..	..	..	..	..	..	..	..
Guatemala	539	7	12	138	206	..	100	5.8	19.8	..	..
Guinea	..	..	0	42	..	..	..	1.6	4.1	..	..
Guinea-Bissau	..	..	0	63	..	..	65	..	..	..	..
Guyana	..	..	19	69	68	88	97	3.1	9.0	5.2	984
Haiti	32	55	0	60	..	50	..	5.6	12.6	3.7	..
Honduras	708	20	8	93	24	274	..	6.3	17.0	5.4	1,137
Hungary	3,895	11	30	116	..	..	99	25.3	25.1	3.4	..
Iceland	52,374	3	55	108	159	119	99	21.0	21.9	2.0	430
India	684	21	3	70	..	..	..	3.2	3.5	2.1	..
Indonesia	680	9	15	114	22	..	100	4.8	7.9	1.9	5,576
Iran, Islamic Rep.	2,649	15	38	76	14	22	96	0.2	5.0	2.0	2,447
Iraq	1,343	35	6	82	..	..	..	0.4	12.5	..	1,431
Ireland	5,701	7	44	107	..	..	99	27.8	46.0	1.6	629
Isle of Man	..	..	..	..	..	..	..	..	..	..	..
Israel	6,926	3	47	121	..	..	99	18.2	36.2	2.6	359
Italy	5,393	7	35	160	..	..	99	28.8	31.9	1.8	1,789
Jamaica	1,553	18	10	96	159	1,006	..	15.0	10.5	4.2	..
Japan	7,848	5	50	111	..	..	100	29.0	30.7	2.8	2,429
Jordan	2,289	15	6	128	20	267	99	9.4	7.8	5.4	2,049
Kazakhstan	4,893	7	27	186	..	65	95	3.2	11.3	2.0	664
Kenya	155	17	1	71	1	32	89	12.6	3.7	4.1	4,580
Kiribati	..	..	9	16	..	..	..	12.9	18.1	..	..
Korea, Dem. Rep.	739	16	5	7	..	..	..	..	..	..	..
Korea, Rep.	10,162	3	61	109	20	44	100	6.1	7.4	4.3	696
Kosovo	2,947	16	..	..	..	..	..	..	..	..	..
Kuwait	16,122	12	16	157	..	..	100	..	..	..	..
Kyrgyz Republic	1,642	22	9	124	12	219	98	1.4	5.7	6.7	620
Lao PDR	..	..	2	65	2	14	72	4.6	6.2	1.7	1,805
Latvia	3,264	10	24	112	..	..	..	10.9	13.3	3.6	..
Lebanon	3,499	11	19	81	..	..	99	10.3	20.9	..	..
Lesotho	..	..	2	75	2	190	81	13.8	19.8	4.5	4,383
Liberia	..	..	0	57	..	66	..	..	..	..	..
Libya	3,926	13	13	156	..	..	..	..	..	..	..
Liechtenstein	..	..	50	97	1,805	..	100	29.0	23.4	..	..
Lithuania	3,530	21	22	165	50	88	98	13.9	10.8	1.7	199
Luxembourg	15,530	6	51	145	1,054	581	100	28.5	27.7	1.2	576
Macedonia, FYR	3,881	20	19	106	55	80	100	9.1	13.3	4.9	..
Madagascar	..	..	1	39	1	4	..	8.8	17.7	3.2	3,821

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	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	2012
Malawi	..	..	1	29	5	1	85	21.5	21.0	..	..
Malaysia	4,246	6	16	141	73	..	97	5.4	7.4	4.6	..
Maldives	..	..	7	166	0	656	100	3.6	6.0	..	559
Mali	..	..	1	98	2	60	..	8.3	15.5	6.3	13,230
Malta	4,689	11	54	127	142	87	100	13.6	28.2	3.0	477
Marshall Islands	..	..	..	..	..	..	..	45.8	22.2	..	..
Mauritania	..	..	2	106	1	67	..	17.6	14.6	5.7	5,430
Mauritius	..	..	28	120	74	122	99	5.4	6.5	3.1	1,518
Mexico	2,092	15	17	83	223	..	100	19.2	23.4	2.6	912
Micronesia, Fed. Sts.	..	..	8	30	..	..	..	147.0	13.6	..	..
Moldova	1,470	21	34	102	94	185	..	0.5	13.2	4.7	608
Monaco	..	..	122	88	..	1,037	100	21.2	52.6	..	274
Mongolia	1,577	14	6	121	4	57	91	1.1	5.7	4.2	449
Montenegro	5,747	25	26	181	..	..	100	8.3	17.5	..	..
Morocco	826	13	10	120	91	64	99	2.3	23.2	4.3	3,660
Mozambique	447	15	0	36	..	11	..	12.9	13.0	6.2	1,757
Myanmar	110	21	1	10	5	..	2	..	..	..	146
Namibia	1,549	28	8	95	36	..	100	12.8	16.0	3.2	1,381
Nepal	106	34	3	60	..	..	35	2.7	3.5	..	3,146
Netherlands	7,036	4	43	118	..	85	100	35.1	43.5	1.7	..
New Caledonia	..	..	32	91	..	..	..	..	..	..	..
New Zealand	9,399	7	42	110	..	..	97	53.4	51.6	2.5	615
Nicaragua	522	19	5	86	..	..	..	3.8	27.8	..	..
Niger	..	..	1	31	7,473	..	75	11.7	16.6	4.6	..
Nigeria	149	10	0	67	1	29	96	9.5	9.8	2.6	7,819
Northern Mariana Islands	..	..	43	..	..	..	..	..	..	..	..
Norway	23,174	8	28	117	..	..	..	38.0	25.2	1.1	..
Oman	6,292	13	9	159	20	324	98	13.2	8.7	2.4	1,462
Pakistan	449	17	3	67	15	69	92	3.5	3.5	2.0	..
Palau	..	..	35	83	..	..	98	..	..	..	263
Panama	1,829	14	17	178	82	86	96	9.5	12.6	2.5	1,650
Papua New Guinea	..	..	2	38	..	..	..	11.5	30.4	..	..
Paraguay	1,228	6	6	102	54	21	94	8.8	8.8	..	..
Peru	1,248	6	11	98	..	..	97	12.3	12.8	2.7	1,752
Philippines	647	11	4	107	..	..	99	15.0	10.5	2.4	..
Poland	3,832	7	16	140	..	..	100	21.6	11.3	2.7	1,055
Portugal	4,848	8	43	116	..	129	99	25.0	25.3	4.0	1,303
Puerto Rico	..	..	19	83	..	..	..	..	..	..	392
Qatar	15,755	2	19	127	..	..	100	9.1	18.7	1.1	982
Romania	2,639	12	21	105	47	144	100	13.0	25.7	1.8	598
Russian Federation	6,486	10	30	183	..	..	..	4.1	11.1	2.3	896
Rwanda	..	..	0	50	0	20	98	9.0	14.7	2.8	7,536
Samoa	..	..	..	..	..	..	..	12.7	18.1	..	..
San Marino	..	..	60	115	..	..	98	25.6	23.8	..	..
Sao Tome and Principe	..	..	4	65	9	53	70	8.6	13.2	5.8	1,480
Saudi Arabia	8,161	9	17	187	51	687	99	13.2	14.1	2.7	2,435
Senegal	187	17	2	84	8	89	91	12.5	19.5	9.8	4,944
Serbia	4,474	15	38	118	106	59	100	7.0	12.5	5.3	994
Seychelles	..	..	23	148	50	61	98	9.0	15.3	..	411
Sierra Leone	..	..	0	37	..	..	..	..	..	..	..
Singapore	8,404	5	37	152	..	..	100	8.8	9.3	2.6	..
Sint Maarten (Dutch part)	..	..	..	..	..	..	..	..	..	..	..
Slovak Republic	5,348	2	18	112	53	126	100	18.9	17.5	2.6	790
Slovenia	6,806	5	40	109	65	113	100	18.7	25.1	2.5	543
Solomon Islands	..	..	1	55	..	..	..	10.3	14.5	..	..
Somalia	..	..	1	23	..	..	80	..	..	..	..
South Africa	4,604	8	8	131	..	..	..	28.3	32.6	4.5	..
South Sudan	..	..	0	21	..	48	..	..	..	..	3,777
Spain	5,530	9	42	108	144	..	100	33.5	39.9	2.3	1,051

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	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	2012
Sri Lanka	490	12	16	92	35	99	98	3.4	1.1	1.9	1,823
St. Kitts and Nevis	..	..	37	157	..	..	..	12.6	22.1	6.9	786
St. Lucia	..	..	20	126	..	307	..	13.4	21.6	6.7	486
St. Martin (French part)	..	..	..	..	..	..	..	..	..	..	..
St. Vincent and the Grenadines	..	..	18	124	..	..	100	10.9	24.6	7.4	846
Sudan	143	22	1	74	0	57	88	4.9	5.6	2.1	..
Suriname	..	..	16	106	55	370	100	2.9	14.2	1.0	677
Swaziland	..	..	4	65	20	48	97	6.8	22.5	4.5	904
Sweden	14,030	7	44	125	..	..	100	28.3	20.6	1.5	..
Switzerland	7,928	7	56	130	..	..	100	34.6	51.3	2.4	632
Syrian Arab Republic	1,715	8	20	59	42	66	90	1.3	21.3	..	673
Tajikistan	1,714	17	5	82	..	..	..	0.9	8.5	..	..
Tanzania	92	19	0	57	0	3	95	8.9	7.7	..	..
Thailand	2,316	7	10	127	11	19	100	6.2	10.6	2.3	..
Timor-Leste	..	..	0	56	..	..	92	20.8	16.3	6.0	..
Togo	..	..	1	50	2	44	91	10.5	17.8	9.2	2,277
Tonga	..	..	29	53	..	..	..	6.4	11.0	..	..
Trinidad and Tobago	6,332	5	21	141	172	209	100	15.6	15.1	2.9	1,626
Tunisia	1,297	14	10	118	54	90	99	6.0	10.6	3.9	1,292
Turkey	2,709	14	19	91	43	44	100	13.7	31.4	2.1	2,203
Turkmenistan	2,444	13	11	76	..	..	..	..	..	..	..
Turks and Caicos Islands	..	..	..	..	..	..	..	..	..	..	..
Tuvalu	..	..	15	28	..	..	..	..	..	..	..
Uganda	..	..	1	45	..	18	100	9.2	9.0	3.7	3,080
Ukraine	3,662	11	27	130	..	..	100	3.7	7.8	3.4	..
United Arab Emirates	9,389	7	21	150	..	..	100	4.1	9.1	2.0	1,977
United Kingdom	5,472	8	53	135	..	..	100	36.2	47.8	1.8	..
United States	13,246	6	44	95	..	..	100	15.0	35.6	3.4	517
Uruguay	2,810	12	30	147	83	43	100	12.0	22.4	2.5	853
Uzbekistan	1,626	9	7	71	104	94	92	1.4	2.4	..	1,265
Vanuatu	..	..	2	59	..	..	92	40.4	25.1	4.8	728
Venezuela, RB	3,313	20	26	102	74	..	..	1.7	14.9	2.9	1,518
Vietnam	1,073	10	11	148	..	..	..	2.0	4.1	..	..
Virgin Islands (U.S.)	..	..	71	..	..	..	..	..	..	..	..
West Bank and Gaza	..	..	9	76	..	..	..	..	..	..	949
Yemen, Rep.	193	27	5	58	21	64	84	0.9	11.1	..	1,273
Zambia	599	24	1	75	2	14	78	7.4	16.5	0.1	4,219
Zimbabwe	757	4	2	92	8	37	81	9.8	20.6	..	2,742
World	3,044	8	17	83	..	..	..	10.4	14.6	2.6	1,173
Low income	233	15	1	47	..	42	..	8.9	11.9	5.0	3,462
Middle income	1,816	10	12	88	..	..	..	6.9	13.1	2.5	1,360
Lower middle income	734	16	5	83	..	..	..	4.9	10.5	2.5	1,707
Upper middle income	2,932	9	19	92	27	9	..	9.4	14.9	2.5	1,256
Low & middle income	1,646	10	11	82	..	..	..	7.2	12.6	2.5	1,739
East Asia & Pacific	2,582	6	17	89	6	2	..	5.2	7.7	2.2	..
Europe & Central Asia	2,951	12	21	108	..	..	99	3.7	12.5	2.4	620
Latin America & Caribbean	1,985	15	18	108	..	..	99	7.9	14.9	3.0	1,280
Middle East & North Africa	1,696	15	16	95	27	57	97	4.5	10.9	2.7	1,829
South Asia	605	20	3	69	..	..	..	3.0	3.5	2.3	1,823
Sub-Saharan Africa	535	11	1	59	..	23	84	10.5	14.6	3.8	4,294



2014

States and Markets

5.11 World Development Indicators: Power and communications

	Electric power		Telephones access and use				Telephones quality	Telephones affordability and efficiency			
	Consumption per capita	Transmission and distribution losses	Fixed telephone	Mobile cellular	Fixed telephone	Mobile cellular	Population covered by mobile cellular network	Fixed telephone sub-basket	Mobile cellular sub-basket	Telecom revenue	Mobile cellular and fixed -line subscribers per employee
	kWh	% of output	Subscriptions per 100 people	Subscriptions per 100 people	International voice traffic minutes per person	International voice traffic minutes per person	%	\$ per month	\$ per month	% of GDP	
	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	2012
High income	8,896	6	44	123	..	..	100	25.2	20.6	2.7	798
Euro area	6,599	6	48	120	..	..	99	27.8	25.2	1.9	824

Most Recent Value (MRV) if data for the specified year or full period are not available; or growth rate is calculated for less than the full period.

About the Data

Electric power consumption (kWh per capita)

Long definition

Electric power consumption measures the production of power plants and combined heat and power plants less transmission, distribution, and transformation losses and own use by heat and power plants.

Source

International Energy Agency (IEA Statistics © OECD/IEA, <http://www.iea.org/stats/index.asp>), Energy Statistics and Balances of Non-OECD Countries and Energy Statistics of OECD Countries.

Telephone lines (per 100 people)

Long definition

Telephone lines are fixed telephone lines that connect a subscriber's terminal equipment to the public switched telephone network and that have a port on a telephone exchange. Integrated services digital network channels and fixed wireless subscribers are included.

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database, and World Bank estimates.

Population covered by mobile cellular network (%)

Long definition

Population covered by mobile cellular network is the percentage of people that live in areas served by a mobile cellular signal regardless of whether they use it.

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database, and World Bank estimates.

Residential fixed line telephone tariff (US\$ per month)

Long definition

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

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database.

Please see the online table at <http://wdi.worldbank.org/table/5.11> for observation-level metadata, which can be downloaded in Excel.