

4.01 Mobile cellular tariffs

Average per-minute cost of different types of mobile cellular calls (PPP \$) | 2012

RANK	COUNTRY/ECONOMY	VALUE	RANK	COUNTRY/ECONOMY	VALUE
1	Liberia ³	0.00	75	El Salvador ³	0.26
2	Sierra Leone ³	0.00	76	Mozambique	0.26
3	Hong Kong SAR	0.02	77	Venezuela	0.26
4	Sri Lanka	0.04	78	Hungary	0.27
5	Bangladesh	0.04	79	Colombia	0.27
6	Ukraine	0.04	80	United States	0.27
7	India	0.04	81	Angola	0.28
8	Egypt	0.05	82	Moldova	0.29
9	Jordan	0.05	83	Philippines	0.29
10	Pakistan	0.06	84	Slovenia	0.29
11	Denmark	0.06	85	Portugal	0.29
12	Nepal	0.07	86	Peru	0.30
13	China	0.07	87	Côte d'Ivoire	0.30
14	Finland	0.07	88	Bosnia and Herzegovina	0.31
15	Georgia	0.08	89	Israel ³	0.31
16	Sweden	0.08	90	Taiwan, China ³	0.32
17	Kazakhstan	0.08	91	Senegal	0.32
18	Ghana	0.08	92	Tanzania	0.32
19	United Arab Emirates ³	0.08	93	Canada	0.33
20	Austria	0.08	94	Tunisia	0.33
21	Kenya	0.09	95	Rwanda ³	0.33
22	Costa Rica	0.09	96	Trinidad and Tobago	0.34
23	Vietnam	0.09	97	Lebanon	0.34
24	Mongolia	0.10	98	Chile	0.34
25	Norway	0.10	99	Estonia	0.34
26	Australia	0.10	100	Burkina Faso	0.34
27	Germany	0.11	101	Uruguay	0.35
28	Ethiopia	0.11	102	Gambia, The ³	0.35
29	Cyprus	0.12	103	Cameroon ³	0.35
30	Thailand	0.12	104	Ecuador ³	0.36
31	Guyana	0.12	105	Mauritania	0.36
32	Bahrain ³	0.13	106	Netherlands	0.36
33	Iceland	0.13	107	Honduras ³	0.36
34	Russian Federation	0.14	108	Mali	0.36
35	Kuwait ³	0.14	109	Swaziland	0.37
36	Guinea ²	0.14	110	Morocco	0.38
37	Qatar ³	0.14	111	Brunei Darussalam	0.38
38	Bhutan	0.14	112	Malawi	0.39
39	Korea, Rep.	0.14	113	Japan	0.40
40	Spain	0.14	114	Guatemala	0.41
41	Kyrgyz Republic ³	0.15	115	Timor-Leste ³	0.42
42	Italy	0.15	116	Dominican Republic	0.42
43	Yemen	0.15	117	Zambia ³	0.43
44	Oman ³	0.16	118	Czech Republic	0.43
45	Indonesia	0.16	119	Switzerland	0.43
46	Singapore	0.16	120	Albania	0.44
47	Zimbabwe ³	0.16	121	Gabon	0.46
48	Malaysia	0.17	122	Cape Verde	0.46
49	Algeria	0.18	123	Lesotho	0.46
50	Mauritius	0.18	124	France	0.47
51	Nigeria	0.18	125	Botswana	0.47
52	Saudi Arabia	0.18	126	Bolivia	0.51
53	Suriname	0.18	127	Montenegro	0.51
54	Haiti	0.18	128	South Africa	0.51
55	Cambodia	0.19	129	Mexico	0.52
56	Poland	0.19	130	Madagascar	0.53
57	Lithuania	0.20	131	United Kingdom	0.53
58	Turkey	0.21	132	Malta	0.54
59	Lao PDR ³	0.21	133	Romania	0.54
60	Macedonia, FYR	0.21	134	Ireland	0.55
61	Iran, Islamic Rep. ¹	0.21	135	Belgium	0.59
62	Paraguay	0.22	136	Barbados	0.59
63	Armenia	0.22	137	Greece	0.61
64	Latvia	0.22	138	New Zealand	0.62
65	Azerbaijan	0.22	139	Seychelles	0.62
66	Panama	0.22	140	Brazil	0.65
67	Uganda	0.23	141	Argentina	0.77
68	Serbia	0.23	142	Bulgaria	0.82
69	Jamaica	0.23	143	Chad ³	0.88
70	Namibia	0.24	144	Nicaragua	0.91
71	Croatia	0.24	n/a	Burundi	n/a
72	Benin	0.24	n/a	Libya	n/a
73	Slovak Republic	0.25	n/a	Myanmar	n/a
74	Luxembourg	0.25	n/a	Puerto Rico	n/a

SOURCES: Author's calculations based on International Telecommunication Union (ITU), *ITU World Telecommunication/ICT Indicators Database 2013* (December 2013 edition); International Monetary Fund, *World Economic Outlook* (October 2013 edition); World Bank, *World Development Indicators* (December 2013 edition)

1 2009 2 2010 3 2011

4.02 Fixed broadband Internet tariffs

Monthly subscription charge for fixed (wired) broadband Internet service (PPP \$) | 2012

RANK	COUNTRY/ECONOMY	VALUE	RANK	COUNTRY/ECONOMY	VALUE
1	Sri Lanka	8.22	75	Canada	32.57
2	Israel ³	8.39	76	Paraguay	32.63
3	Bangladesh	10.37	77	Norway	33.89
4	India	13.45	78	Portugal	33.97
5	Mongolia	14.01	79	Argentina	33.99
6	Ukraine	14.17	80	Uganda	34.25
7	Tunisia	14.42	81	Spain	34.63
8	Kazakhstan	14.60	82	Malaysia	34.65
9	Nepal	14.72	83	Honduras	34.71
10	United States	14.95	84	China	35.44
11	Egypt	15.09	85	Singapore	35.55
12	Uruguay	15.22	86	Thailand	35.81
13	Romania	15.74	87	Austria	35.98
14	Brazil	15.77	88	Korea, Rep.	36.31
15	Bosnia and Herzegovina	15.85	89	Montenegro	36.65
16	Venezuela	16.04	90	Chile	37.16
17	Russian Federation	16.29	91	South Africa	37.25
18	Azerbaijan	17.99	92	Germany	37.93
19	Trinidad and Tobago	18.71	93	Slovak Republic	38.16
20	Lithuania	19.13	94	Suriname	38.59
21	United Kingdom	19.68	95	Philippines	39.32
22	Latvia	19.73	96	Dominican Republic	39.51
23	Japan	20.01	97	Serbia	40.27
24	Turkey	20.02	98	Cape Verde	40.41
25	Georgia	20.15	99	Ecuador ³	41.06
26	Moldova	20.47	100	Gabon	41.15
27	Morocco	20.64	101	Australia	41.30
28	Algeria	20.94	102	Slovenia	41.73
29	Mauritius	21.32	103	United Arab Emirates ³	41.77
30	Kuwait ³	21.37	104	Ghana	45.42
31	Costa Rica	21.59	105	Jamaica	47.09
32	Zimbabwe	21.93	106	Nicaragua	48.29
33	Bulgaria	22.36	107	Hungary	48.58
34	Vietnam	22.79	108	Mauritania	48.94
35	Guyana	22.82	109	Tanzania	49.03
36	Jordan	22.95	110	Saudi Arabia	49.34
37	Panama	23.92	111	Bolivia	49.63
38	Cyprus	23.92	112	Qatar ³	49.90
39	Yemen	24.08	113	New Zealand	51.86
40	Switzerland	24.48	114	Ethiopia	55.23
41	France	24.50	115	Angola	57.22
42	Malta	24.81	116	Cambodia	61.54
43	Greece	25.15	117	Côte d'Ivoire	63.17
44	Bhutan	25.66	118	Zambia ³	64.14
45	Colombia	25.85	119	Kenya	65.18
46	Italy	25.91	120	Nigeria	65.58
47	Taiwan, China	26.05	121	Senegal	65.73
48	Albania	26.05	122	Brunei Darussalam	66.38
49	Lebanon	26.07	123	Libya ¹	66.89
50	Iceland	26.18	124	Iran, Islamic Rep. ¹	69.52
51	Croatia	26.19	125	Sierra Leone ¹	70.50
52	Chad ²	26.28	126	Haiti	72.32
53	Sweden	27.57	127	Namibia	78.18
54	Armenia	28.13	128	Mali	79.59
55	Bahrain ³	28.21	129	Barbados	80.33
56	Indonesia	28.48	130	Malawi	84.90
57	Mexico	28.53	131	Burkina Faso	101.12
58	Finland	28.94	132	Benin	101.41
59	Oman ³	29.01	133	Mozambique	106.78
60	El Salvador ³	29.02	134	Myanmar	108.18
61	Estonia	29.07	135	Cameroon	112.53
62	Pakistan	29.20	136	Swaziland	113.67
63	Czech Republic	29.20	137	Botswana	114.48
64	Belgium	29.39	138	Kyrgyz Republic ³	114.69
65	Peru	29.78	139	Lesotho	122.24
66	Hong Kong SAR	30.08	140	Madagascar	126.42
67	Seychelles	30.53	141	Timor-Leste ³	172.26
68	Ireland	30.56	142	Lao PDR ³	209.78
69	Netherlands	30.65	143	Rwanda	398.83
70	Guatemala	30.78	144	Gambia, The ³	986.58
71	Poland	31.60	145	Guinea ²	2,049.86
72	Luxembourg	31.70	n/a	Burundi	n/a
73	Denmark	32.19	n/a	Liberia	n/a
74	Macedonia, FYR	32.42	n/a	Puerto Rico	n/a

SOURCES: Author's calculations based on International Telecommunication Union (ITU), *ITU World Telecommunication/ICT Indicators Database 2013* (December 2013 edition); International Monetary Fund, *World Economic Outlook* (October 2013 edition); World Bank, *World Development Indicators* (December 2013 edition)

¹ 2009 ² 2010 ³ 2011

4.03 Internet and telephony sectors competition index

Level of competition index for Internet services, international long distance services, and mobile telephone services on a 0-to-2 (best) scale | 2010 or most recent

RANK	COUNTRY/ECONOMY	VALUE	RANK	COUNTRY/ECONOMY	VALUE
1	Argentina ¹	2.00	74	Ukraine ¹⁹	1.86
1	Australia ⁵	2.00	76	United Kingdom ¹⁶	1.85
1	Austria ⁶	2.00	77	Cape Verde ¹⁷	1.83
1	Belgium ¹⁹	2.00	78	Slovak Republic ¹⁹	1.82
1	Brazil ⁶	2.00	79	Thailand ¹⁷	1.82
1	Burkina Faso ¹⁹	2.00	80	Greece ⁸	1.80
1	Canada ⁶	2.00	81	Zimbabwe ⁸	1.79
1	Chile ¹⁶	2.00	82	Latvia ¹⁰	1.77
1	Colombia ¹⁹	2.00	82	Poland ¹⁶	1.77
1	Croatia ¹⁹	2.00	84	Indonesia ¹⁶	1.76
1	Dominican Republic ¹⁹	2.00	84	Israel ¹⁹	1.76
1	Ecuador ¹⁶	2.00	84	Senegal ¹⁹	1.76
1	Estonia ¹⁶	2.00	87	Korea, Rep. ¹⁶	1.75
1	Finland ¹⁹	2.00	87	Liberia ¹⁶	1.75
1	France ⁶	2.00	89	Ghana ¹⁹	1.67
1	Georgia ⁷	2.00	89	Italy ¹⁶	1.67
1	Germany ⁴	2.00	91	Guinea ¹⁶	1.65
1	Guatemala ⁴	2.00	92	Albania ¹⁶	1.64
1	Haiti ¹⁷	2.00	93	Zambia ¹⁷	1.64
1	Honduras ³	2.00	94	Costa Rica ¹⁵	1.63
1	Hong Kong SAR ³	2.00	95	Mongolia ¹⁸	1.56
1	Iceland ⁶	2.00	96	Burundi ⁵	1.54
1	India ⁶	2.00	97	New Zealand ¹	1.53
1	Ireland ⁶	2.00	98	Chad ¹⁶	1.50
1	Japan ¹⁹	2.00	98	Russian Federation ¹⁶	1.50
1	Kenya ¹¹	2.00	100	Namibia ¹⁹	1.43
1	Kyrgyz Republic ¹⁶	2.00	101	Nepal ¹⁹	1.41
1	Lesotho ¹⁴	2.00	102	Azerbaijan ¹⁶	1.40
1	Luxembourg ⁵	2.00	103	Egypt ¹⁶	1.36
1	Madagascar ¹⁶	2.00	104	Algeria ¹⁶	1.33
1	Malaysia ⁶	2.00	104	Angola ¹⁶	1.33
1	Malta ¹⁰	2.00	104	Bhutan ¹⁶	1.33
1	Mauritania ¹¹	2.00	104	Bulgaria ¹⁹	1.33
1	Mauritius ¹⁰	2.00	104	Saudi Arabia ¹⁹	1.33
1	Mexico ⁴	2.00	109	Cyprus ¹⁹	1.31
1	Moldova ¹⁹	2.00	110	China ¹⁷	1.29
1	Montenegro ¹¹	2.00	110	Iran, Islamic Rep. ¹⁶	1.29
1	Morocco ¹⁹	2.00	112	Botswana ¹⁹	1.27
1	Netherlands ⁵	2.00	113	Armenia ¹⁶	1.25
1	Nigeria ⁴	2.00	113	Bangladesh ¹⁹	1.25
1	Norway ¹⁶	2.00	115	Gabon ¹⁹	1.23
1	Pakistan ¹⁰	2.00	116	Cameroon ¹⁶	1.22
1	Panama ¹⁹	2.00	116	Côte d'Ivoire ¹⁹	1.22
1	Paraguay ⁴	2.00	118	Barbados ¹⁶	1.20
1	Peru ¹⁹	2.00	118	Mali ¹⁶	1.20
1	Philippines ¹⁶	2.00	120	Suriname ¹⁹	1.18
1	Portugal ¹⁹	2.00	121	Mozambique ¹⁶	1.17
1	Romania ¹⁰	2.00	122	Gambia, The ¹⁶	1.13
1	Serbia ¹⁹	2.00	122	Malawi ¹⁶	1.13
1	Singapore ⁷	2.00	124	Seychelles ¹⁹	1.08
1	Slovenia ¹¹	2.00	125	South Africa ¹⁶	1.07
1	Spain ¹⁹	2.00	126	Trinidad and Tobago ¹⁹	1.00
1	Sweden ¹⁶	2.00	126	United Arab Emirates ¹⁷	1.00
1	Switzerland ⁶	2.00	128	Qatar ¹⁹	0.93
1	Taiwan, China ¹⁹	2.00	129	Sierra Leone ¹⁶	0.92
1	Turkey ⁹	2.00	130	Lao PDR ¹⁶	0.91
1	Uganda ¹³	2.00	130	Macedonia, FYR ¹⁶	0.91
1	United States ¹⁹	2.00	130	Tanzania ¹⁶	0.91
1	Venezuela ⁷	2.00	133	Sri Lanka ¹⁶	0.88
60	Jordan ¹²	1.94	134	Brunei Darussalam ¹⁶	0.88
61	Jamaica ¹⁹	1.93	135	Tunisia ¹⁹	0.82
62	Rwanda ¹⁶	1.93	136	Bolivia ¹⁶	0.80
63	Bahrain ¹¹	1.92	137	Uruguay ¹⁶	0.75
63	Lithuania ¹⁶	1.92	138	Lebanon ¹⁹	0.55
65	Cambodia ¹⁷	1.88	139	Benin ¹⁷	0.50
65	Denmark ¹⁶	1.88	139	Guyana ¹⁶	0.50
65	Nicaragua ³	1.88	141	Yemen ¹⁶	0.36
68	Hungary ²	1.88	142	Kuwait ¹⁶	0.25
69	Czech Republic ¹⁹	1.87	143	Swaziland ¹⁹	0.08
69	El Salvador ¹⁹	1.87	144	Ethiopia ¹⁹	0.00
69	Kazakhstan ⁹	1.87	144	Libya ¹⁶	0.00
69	Oman ¹⁵	1.87	144	Myanmar ¹⁹	0.00
69	Vietnam ¹⁹	1.87	n/a	Puerto Rico	n/a
74	Bosnia and Herzegovina ⁹	1.86	n/a	Timor-Leste	n/a

SOURCE: Authors' calculations based on International Telecommunication Union (ITU), *ITU World Telecommunication Regulatory Database* (accessed December 2013).

¹ 1990 ² 1992 ³ 1995 ⁴ 1996 ⁵ 1997 ⁶ 1998 ⁷ 2000 ⁸ 2001 ⁹ 2002 ¹⁰ 2003 ¹¹ 2004 ¹² 2005 ¹³ 2006 ¹⁴ 2008 ¹⁵ 2009 ¹⁶ 2010 ¹⁷ 2011
¹⁸ 2011* ¹⁹ 20