

## Mobile wireless - an IPv6 application

Region	# Subscribers May 2003
<b>Total Wireless</b>	1,218,321,000
<b>Total GSM</b>	863,500,000
<b>Arab States</b>	27,500,000
<b>Asia Pacific</b>	333,500,000
<b>Africa</b>	27,900,000
<b>East Central Asia</b>	7,500,000
<b>Europe</b>	399,800,000
<b>Russia</b>	21,600,000
<b>India</b>	14,200,000
<b>North-America</b>	21,900,000
<b>South-America</b>	9,600,000
<b>Total Digital subscribers non-GSM</b>	330,321,000
<b>W-CDMA</b>	521,000
<b>CDMA</b>	156,700,000
<b>PDC</b>	61,700,000
<b>TDMA</b>	111,400,000
<b>Total Analogue subscribers</b>	24,500,000

Nation (Internet country code)	Population	Subscribers	Penetration rate	# of IP address for 50% subscribers	# of IP address for 100% subscribers	# of IP address Mobile IP is deployed
<b>Worldwide</b>	<b>6,321,688,311</b>	<b>1,192,183,000</b>	<b>18.86%</b>	<b>596,091,500</b>	<b>1,192,183,000</b>	<b>2,384,366</b>
Afghanistan (.af)	23,897,000					
Albania (.al)	3,166,000					
Algeria (.dz)	31,800,000					
Andorra (.ad)	68,400					
Angola (.ao)	13,625,000					
Anguilla (.ai)	12,400					
Antigua & Barbuda (.ag)	67,400					
Argentina (.ar)	38,428,000	7,000,000	18.22%	3,500,000	7,000,000	14,000

Armenia (.am)	3,061,000					
Aruba (.aw)	70,400					
Australia (.au)	19,731,000	13,946,000	70.68%	6,973,000	13,946,000	27,892
Austria (.at)	8,116,000	7,024,000	86.55%	3,512,000	7,024,000	14,048
Azerbaijan (.az)	8,370,000					
Bahamas (.bs)	314,000					
Bahrain (.bh)	724,000					
Bangladesh (.bd)	146,736,000					
Barbados (.bb)	270,000					
Belarus (.by)	9,895,000					
Belgium (.be)	10,318,000	7,619,000	73.84%	3,809,500	7,619,000	15,238
Belize (.bz)	256,000					
Benin (.bj)	6,736,000					
Bermuda (.bm)	63,960					
Bhutan (.bt)	2,257,000					
Bolivia (.bo)	8,808,000					
Bosnia & Herzegovian (.ba)	4,161,000					
Bostwana (.bw)	1,785,000					
Brazil (.br)	178,470,000	38,000,000	21.29%	19,000,000	38,000,000	76,000
Brunei (.bn)	358,000					
Bulgaria (.bg)	7,897,000	2,040,000	25.83%	1,020,000	2,040,000	4,080
Burkina Faso (.bf)	13,002,000					
Burma (.mm)	49,485,000					
Burundi (.bi)	6,825,000					
Cambodia (.kh)	14,144,000					
Cameroon (.cm)	16,018,000					
Canada (.ca)	31,510,000	11,866,000	37.66%	5,933,000	11,866,000	23,732
Cape Verde (.cv)	463,000					
Cayman Islands (.ky)	6,273					
Central African Republic (.cf)	3,865,000					
Chad (.td)	8,598,000					
Chile (.cl)	15,805,000	6,507,000	41.17%	3,253,500	6,507,000	13,014
China (.cn)	1,304,196,000	239,500,000	18.36%	119,750,000	239,500,000	479,000
Colombia (.co)	44,222,000	5,202,000	11.76%	2,601,000	5,202,000	10,404
Comoros (.km)	768,000					
Congo, Democratic Republic of the (.cd)	52,771,000					
Congo Republic (.cg)	3,724,000					
Cook Islands (.ck)	20,811					

Costa Rica (.cr)	4,173,000					
Cote d'Ivoire (.ci)	16,631,000					
Croatia (.hr)	4,428,000					
Cuba (.cu)	11,300,000					
Cyprus (.cy)	802,000					
Czech Republic (.cz)	10,236,000	8,779,000	85.77%	4,389,500	8,779,000	17,558
Denmark (.dk)	5,364,000	4,162,000	77.59%	2,081,000	4,162,000	8,324
Djibouti (.dj)	703,000					
Dominica (.dm)	70,158					
Dominican Republic (.do)	8,745,000					
East Timor (.tp)	778,000					
Ecuador (.ec)	13,003,000					
Egypt (.eg)	71,931,000	4,227,000	5.88%	2,113,500	4,227,000	8,454
El Salvador (.sv)	6,515,000					
Equatorial Guinea (.gq)	494,000					
Eritrea (.er)	4,141,000					
Estonia (.ee)	1,323,000					
Ethiopia (.et)	70,678,000					
Faroe Islands (.fo)	46,011					
Fiji (.fj)	839,000					
Finland (.fi)	5,207,000	4,095,000	78.64%	2,047,500	4,095,000	8,190
France (.fr)	60,144,000	39,032,000	64.90%	19,516,000	39,032,000	78,064
French Polynesia (.pf)	244,000					
Gabon (.ga)	1,329,000					
Gambia (.gm)	1,426,000					
Georgia (.ge)	5,126,000					
Germany (.de)	82,476,000	74,854,000	90.76%	37,427,000	74,854,000	149,708
Ghana (.gh)	20,922,000					
Gibraltar (.gi)	27,700					
Greece (.gr)	10,976,000	10,156,000	92.53%	5,078,000	10,156,000	20,312
Greenland (.gl)	56,400					
Grenada (.gd)	89,211					
Guam (.gu)	163,000					
Guatemala (.gt)	12,347,000					
Guinea (.gn)	8,480,000					
Guinea-Bissau (.gw)	1,493,000					
Guyana (.gy)	765,000					
Haiti (.ht)	8,326,000					
Honduras (.hn)	6,941,000					

Hong-Kong (.hk)	7,049,000	6,500,000	92.21%	3,250,000	6,500,000	13,000
Hungary (.hu)	9,877,000	7,300,000	73.91%	3,650,000	7,300,000	14,600
Iceland (.is)	290,000					
India (.in)	1,065,462,000	15,700,000	1.47%	7,850,000	15,700,000	31,400
Indonesia (.id)	219,883,000	14,000,000	6.37%	7,000,000	14,000,000	28,000
Iran (.ir)	68,920,000					
Iraq (.iq)	25,175,000					
Ireland (.ie)	3,956,000	3,012,000	76.14%	1,506,000	3,012,000	6,024
Israel (.il)	6,433,000	6,540,000	101.66%	3,270,000	6,540,000	13,080
Italy (.it)	57,423,000	54,546,000	94.99%	27,273,000	54,546,000	109,092
Jamaica (.jm)	2,651,000					
Japan (.jp)	127,654,000	83,309,000	65.26%	41,654,500	83,309,000	166,618
Jordan (.jo)	5,473,000					
Kazakhstan (.kz)	15,433,000					
Kenya (.ke)	31,987,000					
Kiribati (.ki)	96,300					
Kuwait (.kw)	2,521,000					
Kyrgyzstan (.kg)	5,138,000					
Laos (.la)	5,657,000					
Latvia (.lv)	2,307,000					
Lebanon (.lb)	3,653,000					
Lesotho (.ls)	1,802,000					
Liberia (.lr)	3,367,000					
Libya (.ly)	5,551,000					
Liechtenstein (.li)	32,842					
Lithuania (.lt)	3,444,000					
Luxembourg (.lu)	453,000					
Macau (.mo)	464,000					
Macedonia (.mk)	2,056,000					
Madagascar (.mg)	17,404,000					
Malawi (.mw)	12,105,000					
Malaysia (.my)	24,425,000	9,775,000	40.02%	4,887,500	9,775,000	19,550
Maldives (.mv)	318,000					
Mali (.ml)	13,007,000					
Malta (.mt)	394,000					
Marshall Islands (.mh)	73,630					
Mauritania (.mr)	2,893,000					
Mauritius (.mu)	1,221,000					
Mexico (.mx)	103,457,000	27,246,000	26.34%	13,623,000	27,246,000	54,492

Micronesia (.fm)	109,000					
Moldova (.md)	4,267,000					
Monaco (.mc)	31,987					
Mongolia (.mn)	2,594,000					
Morocco (.ma)	30,566,000					
Mozambique (.mz)	18,863,000					
Namibia (.na)	1,987,000					
Nauru (.nr)	12,300					
Nepal (.np)	25,164,000					
The Netherlands (.nl)	16,149,000	12,325,000	76.32%	6,162,500	12,325,000	24,650
Netherlands Antilles (.an)	221,000					
New Caledonia (.nc)	228,000					
New Zeland (.nz)	3,875,000					
Nicaragua (.ni)	5,466,000					
Niger (.ne)	11,972,000					
Nigeria (.ng)	124,009,000					
North Korea (.kp)	22,664,000					
Northern Mariana Islar (.mp)	77,300					
Norway (.no)	4,533,000	3,481,000	76.79%	1,740,500	3,481,000	6,962
Oman (.om)	2,851,000					
Pakistan (.pk)	153,578,000					
Palau (.pw)	19,400					
Palestine (.ps)	3,557,000					
Panama (.pa)	3,120,000					
Papua New Guinea (.pg)	5,711,000					
Paraguay (.py)	5,878,000					
Peru (.pe)	27,167,000					
Philippines (.ph)	79,999,000	19,900,000	24.88%	9,950,000	19,900,000	39,800
Poland (.pl)	38,587,000	15,583,000	40.38%	7,791,500	15,583,000	31,166
Portugal (.pt)	10,062,000	8,590,000	85.37%	4,295,000	8,590,000	17,180
Puerto Rico (.pr)	3,879,000					
Qatar (.qa)	610,000					
Romania (.ro)	22,334,000	2,834,000	12.69%	1,417,000	2,834,000	5,668
Russia (.ru)	143,246,000	28,480,000	19.88%	14,240,000	28,480,000	56,960
Rwanda (.rw)	8,387,000					
Samoa (.ws)	178,000					
San Marino (.sm)	27,730					
Sao Tome & Principe (.st)	161,000					
Saudi Arabia (.sa)	24,217,000	5,000,000	20.65%	2,500,000	5,000,000	10,000

Senegal (.sn)	10,095,000					
Seychelles (.sc)	80,098					
Sierra Leone (.sl)	4,971,000					
Singapore (.sg)	4,253,000	3,109,000	73.10%	1,554,500	3,109,000	6,218
Slovakia (.sk)	5,402,000					
Slovenia (.si)	1,984,000	1,852,000	93.35%	926,000	1,852,000	3,704
Solomon Islands (.sb)	477,000					
Somalia (.so)	9,890,000					
South Africa (.za)	45,026,000	13,597,000	30.20%	6,798,500	13,597,000	27,194
South Korea (.kr)	47,700,000	33,159,000	69.52%	16,579,500	33,159,000	66,318
Spain (.es)	41,060,000	35,291,000	85.95%	17,645,500	35,291,000	70,582
Sri Lanka (.lk)	19,065,000					
Sudan (.sd)	33,610,000					
Suriname (.sr)	436,000					
Swaziland (.sz)	1,077,000					
Sweden (.se)	8,876,000	8,114,000	91.42%	4,057,000	8,114,000	16,228
Switzerland (.ch)	7,169,000	5,848,000	81.57%	2,924,000	5,848,000	11,696
Syria (.sy)	17,800,000					
Taiwan (.tw)	22,548,000	24,738,000	109.71%	12,369,000	24,738,000	49,476
Tajikistan (.tj)	6,245,000					
Tanzania (.tz)	36,977,000					
Thailand (.th)	62,833,000	19,119,000	30.43%	9,559,500	19,119,000	38,238
Togo (.tg)	4,909,000					
Trinidad & Tobago (.tt)	1,303,000					
Tunisia (.tn)	9,832,000					
Turkey (.tr)	71,325,000	25,892,000	36.30%	12,946,000	25,892,000	51,784
Turkmenistan (.tm)	4,867,000					
Tuvalu (.tv)	11,100					
Uganda (.ug)	25,827,000					
Ukraine (.ua)	48,523,000	4,495,000	9.26%	2,247,500	4,495,000	8,990
United Arab Emirates (.ae)	2,995,000					
United Kingdom (.uk)	59,521,000	52,787,000	88.69%	26,393,500	52,787,000	105,574
United States (.us)	294,043,000	149,504,000	50.84%	74,752,000	149,504,000	299,008
Uruguay (.uy)	3,415,000					
Uzbekistan (.uz)	26,093,000					
Vanuatu (.vu)	212,000					
Vatican (.va)	1,000					
Venezuela (.ve)	25,699,000	6,548,000	25.48%	3,274,000	6,548,000	13,096
Vietnam (.vn)	81,377,000					

Virgin Islands (.vi)	111,000
Wallis & Futuna (.wf)	15,500
Western Sahara (.eh)	308,000
Yemen (.ye)	20,010,000
Yugoslavia (Serbia & Montenegro) (.yu)	10,527,000
Zambia (.zm)	10,812,000
Zimbabwe (.zw)	12,891,000