

Cellular subscribers

World

	Cellular mobile subscribers			As % of total		% Digital
	(k)		CAGR (%)	Per 100 inhabitants	telephone subscribers	
	1998	1999	1998-99	1999	1999	
1 Algeria	18.0	72.0	300.0	0.23	4.3	- [98]
2 Angola	9.8	16.5	68.0	0.13	14.6	- [98]
3 Benin	6.3	6.3 [98]	...	0.11	14.1 [98]	- [98]
4 Botswana	23.0	120.0	422.2	7.51	50.0	100.0 [98]
5 Burkina Faso	2.7	5.0	84.5	0.04	9.6	100.0
6 Burundi	0.6	0.8	29.0	0.01	4.0	-
7 Cameroon	4.2 [97]	...	...	...	...	...
8 Cape Verde	1.0	8.1	691.0	1.93	14.7	100.0
9 Central African Rep.	0.7	0.7	-1.4	0.02	6.6	- [98]
10 Chad	-	- [98]	...	-	- [98]	- [98]
11 Comoros	-	- [98]	...	-	- [98]	- [98]
12 Congo	3.4	3.4 [98]	...	0.12	13.4 [98]	100.0 [98]
13 Côte d'Ivoire	91.2	257.1	181.9	1.77	54.0	100.0 [98]
14 D.R. Congo	10.0	10.0 [98]	...	0.02	33.3 [98]	...
15 Djibouti	0.2	0.2 [98]	...	0.04	2.7 [98]	- [98]
16 Egypt	90.8	465.0	412.2	0.69	10.5	92.0 [98]
17 Equatorial Guinea	0.3	0.3 [98]	...	0.07	5.1 [98]	- [98]
18 Eritrea	-	-	-	-	-	-
19 Ethiopia	-	6.7	-	0.01	3.3	100.0
20 Gabon	9.7	8.9	-8.3	0.74	19.0	100.0
21 Gambia	5.0	5.3	5.1	0.42	15.4	-
22 Ghana	41.8	70.0	67.7	0.36	30.6	...
23 Guinea	21.6	22.2	2.9	0.28	32.4	...
24 Guinea-Bissau	-	- [98]	...	-	- [98]	- [98]
25 Kenya	6.8	15.6	129.3	0.05	5.1	...
26 Lesotho	9.8	9.8 [98]	...	0.48	32.8 [98]	100.0 [98]
27 Liberia	-	- [98]	...	-	- [98]	- [98]
28 Libya	20.0	20.0 [98]	...	0.36	3.8 [98]	100.0 [98]
29 Madagascar	12.8	12.8 [98]	...	0.08	21.3 [98]	76.3 [98]
30 Malawi	10.5	10.5 [98]	...	0.10	21.9 [98]	100.0 [98]
31 Mali	4.5	4.5 [98]	...	0.04	14.3 [98]	- [98]
32 Mauritania	-	-	-	-	-	-
33 Mauritius	60.5	102.1	68.8	8.88	28.4	43.3 [98]
34 Mayotte	-	- [98]	...	-	- [98]	- [98]
35 Morocco	116.6	116.6 [98]	...	0.42	7.2 [98]	95.5 [98]
36 Mozambique	6.7	12.2	82.1	0.06	13.6	100.0
37 Namibia	19.5	30.0	53.8	1.77	21.7	100.0
38 Niger	1.3	1.3 [98]	...	0.01	6.9 [98]	- [98]
39 Nigeria	20.0	20.0 [98]	...	0.02	4.7 [98]	- [98]
40 Réunion	50.3	50.3 [98]	...	7.38	17.2 [98]	100.0 [98]
41 Rwanda	5.0	11.0	120.0	0.15	50.4	100.0
42 S. Tomé & Príncipe	-	-	-	-	-	-
43 Senegal	22.1	73.5	232.3	0.80	30.7	100.0 [98]
44 Seychelles	3.8	3.8 [98]	...	4.98	16.7 [98]	100.0 [98]
45 Sierra Leone	-	- [98]	...	-	- [98]	- [98]
46 Somalia	-	- [98]	...	-	- [98]	- [98]
47 South Africa	2'600.0	5'269.0	102.7	13.21	49.0	100.0 [98]
48 Sudan	8.6	13.0	51.2	0.05	4.9	100.0
49 Swaziland	4.7	11.0	134.0	1.12	26.5	100.0 [98]
50 Tanzania	37.9	37.9 [98]	...	0.12	23.8 [98]	31.6 [98]
51 Togo	7.5	17.0	126.7	0.38	30.8	100.0 [98]
52 Tunisia	39.0	55.3	41.7	0.58	6.1	78.5 [98]
53 Uganda	30.0	56.4	87.9	0.27	49.7	100.0
54 Zambia	5.2	5.2 [98]	...	0.06	6.2 [98]	- [98]
55 Zimbabwe	55.0	55.0 [98]	...	0.48	...	100.0 [98]
Africa	3'498.6	7'092.4	103.0	0.95	28.9	95.5
56 Antigua & Barbuda	1.5	8.5	466.7	11.38	18.9	...
57 Argentina	2'530.0	4'434.0	75.3	12.12	37.6	...
58 Aruba	5.4	5.4 [98]	...	5.72	...	...
59 Bahamas	8.1	15.9	97.1	5.28	12.5	12.0 [98]
60 Barbados	12.0	12.0 [98]	...	4.48	9.6 [98]	- [98]
61 Belize	3.4	6.2	80.1	2.63	14.5	- [98]
62 Bermuda	12.6	12.6 [98]	...	19.64	19.0 [98]	- [98]
63 Bolivia	239.3	420.3	75.7	5.16	45.5	...
64 Brazil	7'760.6	15'032.7	93.7	8.95	37.6	35.2 [98]
65 Canada	5'320.0	7'000.0	31.6	22.96	26.7	...
66 Chile	964.2	2'260.7	134.5	15.05	42.1	...
67 Colombia	1'800.2	3'133.7	74.1	7.54	32.0	- [98]
68 Costa Rica	108.8	143.0	31.5	3.64	15.1	85.5 [98]
69 Cuba	4.1	5.1	26.6	0.05	1.2	- [98]
70 Dominica	0.7	0.7 [98]	...	0.86	3.1 [98]	100.0 [98]

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	1998	1999	1998-99				
71 Dominican Rep.	255.9	255.9 [98]	...	3.11	25.1 [98]	...	
72 Ecuador	242.8	383.2	57.8	3.09	25.3	55.0 [98]	
73 El Salvador	106.1	382.6	260.6	6.22	45.0	- [98]	
74 French Guyana	4.0	18.0	350.0	10.34	26.8	100.0	
75 Grenada	1.4	2.0	42.7	2.15	6.4	-	
76 Guadeloupe	14.2	88.1	519.1	19.59	30.5	...	
77 Guatemala	111.4	351.2	215.1	3.17	36.7	- [98]	
78 Guyana	1.5	1.5 [98]	...	0.17	2.4 [98]	- [98]	
79 Haiti	10.0	25.0	150.0	0.31	26.3	...	
80 Honduras	34.9	78.6	125.2	1.24	22.0	- [98]	
81 Jamaica	78.6	144.4	83.6	5.64	22.1	...	
82 Martinique	55.0	102.0	85.5	26.00	37.2	100.0	
83 Mexico	3'349.5	7'621.6	127.5	7.83	41.1	...	
84 Neth. Antilles	16.0	16.0 [98]	...	7.52	17.0 [98]	- [98]	
85 Nicaragua	31.0	69.0	122.6	1.40	32.0	64.5 [98]	
86 Panama	80.0	242.0	202.5	8.61	34.4	100.0	
87 Paraguay	231.5	435.6	88.2	8.13	59.5	...	
88 Peru	743.0	990.0	33.2	3.92	37.0	...	
89 Puerto Rico	580.0	580.0 [98]	...	15.03	31.5 [98]	...	
90 St. Kitts and Nevis	0.4	0.7	59.1	1.81	3.4	-	
91 St. Lucia	1.9	1.9 [98]	...	1.25	4.5 [98]	- [98]	
92 St. Vincent	0.8	0.8 [98]	...	0.67	3.4 [98]	...	
93 Suriname	6.0	17.5	191.3	4.21	19.8	39.4 [98]	
94 Trinidad & Tobago	26.3	38.7	47.1	3.00	12.3	10.0 [98]	
95 United States	69'209.3	86'047.0	24.3	31.15	32.4	28.9 [98]	
96 Uruguay	154.5	316.1	104.6	9.54	26.1	...	
97 Venezuela	2'015.0	3'400.3	68.7	14.34	56.8	...	
98 Virgin Islands (US)	25.0	25.0 [98]	...	21.13	27.8 [98]	...	
Americas	96'156.8	134'125.2	39.5	16.40	33.5	29.2	
99 Afghanistan	-	- [98]	...	-	- [98]	- [98]	
100 Armenia	7.0	7.0 [98]	...	0.20	1.2 [98]	100.0 [98]	
101 Azerbaijan	65.0	180.0	176.9	2.34	19.8	83.1 [98]	
102 Bahrain	92.1	133.5	45.0	20.07	44.7	100.0	
103 Bangladesh	75.0	75.0 [98]	...	0.06	16.6 [98]	67.7 [98]	
104 Bhutan	-	-	-	-	-	-	
105 Brunei Darussalam	49.1	49.1 [98]	...	15.60	38.7 [98]	...	
106 Cambodia	61.3	89.1	45.3	0.81	76.3	71.3	
107 China	23'863.0	43'240.0	81.2	3.41	28.4	72.3 [98]	
108 D.P.R. Korea	-	- [98]	...	-	- [98]	- [98]	
109 Georgia	60.0	60.0 [98]	...	1.10	8.7 [98]	100.0 [98]	
110 Hongkong Sar	3'174.4	3'972.5	25.1	57.71	50.7	100.0	
111 India	1'195.4	1'195.4 [98]	...	0.12	5.2 [98]	100.0 [98]	
112 Indonesia	1'065.8	2'221.0	108.4	1.06	26.8	88.3 [98]	
113 Iran (I.R.)	390.0	490.5	25.8	0.73	5.5	100.0	
114 Iraq	-	- [98]	...	-	- [98]	- [98]	
115 Israel	2'147.0	2'800.0	30.4	45.89	50.0	76.7 [98]	
116 Japan	47'307.6	56'849.0	20.2	44.94	47.6	99.2 [98]	
117 Jordan	70.5	70.5 [98]	...	1.15	12.1 [98]	100.0 [98]	
118 Kazakhstan	29.7	49.5	66.7	0.30	2.7	- [98]	
119 Korea (Rep.)	14'018.6	23'442.7	67.2	50.44	53.3	96.0 [98]	
120 Kuwait	250.0	300.0	20.0	15.82	39.7	72.0 [98]	
121 Kyrgyzstan	1.4	2.6	90.7	0.06	0.7	...	
122 Lao P.D.R.	6.5	6.5 [98]	...	0.12	18.5 [98]	...	
123 Lebanon	500.0	633.0	26.6	19.56	50.5	100.0 [98]	
124 Macau	65.3	88.6	35.6	20.22	33.2	89.5 [98]	
125 Malaysia	2'200.0	2'200.0 [98]	...	10.11	33.4 [98]	72.7 [98]	
126 Maldives	1.6	2.7	70.6	0.98	11.0	-	
127 Mongolia	5.3	40.0	654.7	1.53	27.9	100.0	
128 Myanmar	8.5	11.4	33.7	0.03	4.4	92.4 [98]	
129 Nepal	-	- [98]	...	-	- [98]	- [98]	
130 Oman	103.0	120.9	17.4	4.92	35.4	...	
131 Pakistan	202.0	265.6	31.5	0.20	8.2	30.7 [98]	
132 Philippines	1'733.7	1'733.7 [98]	...	2.38	40.8 [98]	46.6 [98]	
133 Qatar	65.8	84.0	27.7	14.26	35.2	96.8	
134 Saudi Arabia	627.3	627.3 [98]	...	3.11	17.9 [98]	97.5 [98]	
135 Singapore	1'094.7	1'531.7	39.9	47.50	45.2	98.7 [98]	
136 Sri Lanka	174.2	174.2 [98]	...	0.94	25.0 [98]	...	
137 Syria	-	4.0	-	0.03	0.2	- [98]	
138 Taiwan-China	4'727.0	11'541.1	144.2	52.14	48.9	66.6 [98]	
139 Tajikistan	0.4	0.4 [98]	...	0.01	0.2 [98]	- [98]	
140 Thailand	1'957.2	1'957.2 [98]	...	3.25	28.0 [98]	30.1 [98]	

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	Cellular mobile subscribers			As % of total			% Digital
	(k)		CAGR (%)	Per 100 inhabitants	telephone subscribers	1999	
	1998	1999	1998-99	1999	1999		
141 Turkmenistan	3.0	3.0 [98]	...	0.07	0.8 [98]	...	
142 United Arab Emirates	493.3	832.3	68.7	34.71	46.0	96.9 [98]	
143 Uzbekistan	26.8	40.4	50.6	0.17	2.5	...	
144 Viet Nam	187.0	187.0 [98]	...	0.24	8.6 [98]	95.2 [98]	
145 West Bank and Gaza	40.0 [97]	...	...	...	...	...
146 Yemen	18.0	27.0	50.0	0.15	8.5	- [98]	
Asia	108'163.6	157'339.4	45.5	4.44	35.7	88.0	
147 Albania	5.6	11.0	96.6	0.29	7.3	100.0	
148 Andorra	14.1	14.1 [98]	...	18.82	29.9 [98]	100.0 [98]	
149 Austria	2'292.9	4'242.0	85.0	51.88	52.3	95.1	
150 Belarus	12.2	23.5	93.0	0.23	0.9	28.8	
151 Belgium	1'756.3	3'192.8	81.8	31.45	38.6	100.0	
152 Bosnia	25.2	52.6	108.9	1.37	12.5	100.0 [98]	
153 Bulgaria	127.0	350.0	175.6	4.23	11.0	39.4 [98]	
154 Croatia	182.5	295.0	61.6	6.59	15.3	61.4 [98]	
155 Cyprus	116.4	148.2	27.3	19.04	25.9	92.9 [98]	
156 Czech Republic	965.5	1'944.6	101.4	18.95	33.8	93.4 [98]	
157 Denmark	1'931.1	2'650.0	37.2	49.87	42.2	91.5 [98]	
158 Estonia	247.0	387.0	56.7	26.77	43.1	94.3 [98]	
159 Faroe Islands	6.5	6.5 [98]	...	14.75	21.3 [98]	- [98]	
160 Finland	2'946.9	3'445.0	16.9	66.70	54.7	88.2 [98]	
161 France	11'210.1	21'433.5	91.2	36.40	38.6	100.0	
162 Germany	13'913.0	23'470.0	68.7	28.56	32.7	97.4 [98]	
163 Greece	2'057.0	3'300.0	60.4	31.06	37.0	100.0 [98]	
164 Greenland	8.9	8.9 [98]	...	15.88	26.3 [98]	3.3 [98]	
165 Guernsey	11.7	15.3	31.3	24.51	23.2	100.0	
166 Hungary	1'070.2	1'628.2	52.1	15.95	28.4	91.3 [98]	
167 Iceland	91.5	172.6	88.7	61.98	47.8	84.3	
168 Ireland	946.0	1'400.0	48.0	37.79	44.2	81.1 [98]	
169 Italy	20'489.0	30'296.0	47.9	52.83	53.3	82.6 [98]	
170 Jersey	18.3	18.3 [98]	...	19.96	21.0 [98]	100.0 [98]	
171 Latvia	167.5	274.3	63.8	11.25	27.3	91.8 [98]	
172 Lithuania	267.6	332.0	24.1	8.97	22.2	94.9 [98]	
173 Luxembourg	130.5	209.0	60.2	48.70	40.2	100.0	
174 Malta	22.5	37.5	66.4	9.71	15.9	42.6 [98]	
175 Moldova	7.0	18.0	157.1	0.41	3.1	50.0 [98]	
176 Netherlands	3'351.0	6'900.0	105.9	43.54	41.8	100.0	
177 Norway	2'106.4	2'744.8	30.3	61.75	46.4	92.1	
178 Poland	1'928.0	3'956.0	105.2	10.21	28.2	92.8 [98]	
179 Portugal	3'075.6	4'671.5	51.9	46.81	52.5	99.9 [98]	
180 Romania	643.0	1'400.0	117.7	6.25	27.2	98.1 [98]	
181 Russia	747.2	1'359.8	82.0	0.92	4.5	50.5 [98]	
182 Slovak Republic	465.4	918.0	97.3	17.06	35.7	94.6 [98]	
183 Slovenia	161.6	161.6 [98]	...	8.11	17.6 [98]	73.6 [98]	
184 Spain	7'051.3	12'300.0	74.4	31.20	42.7	87.3 [98]	
185 Sweden	4'108.0	5'125.0	24.8	57.83	46.5	87.8 [98]	
186 Switzerland	1'672.3	3'000.0	79.4	41.99	37.5	97.5 [98]	
187 TFYR Macedonia	30.1	49.7	65.1	2.47	9.5	100.0	
188 Turkey	3'506.1	8'000.0	128.2	11.73	30.7	96.5 [98]	
189 Ukraine	115.5	115.5 [98]	...	0.23	1.2 [98]	30.7 [98]	
190 United Kingdom	14'874.0	23'944.0	61.0	40.76	42.2	91.2 [98]	
191 Yugoslavia	240.0	605.7	152.4	5.69	21.0	96.3 [98]	
Europe	105'115.4	174'627.5	66.1	21.86	36.4	92.7	
192 Australia	5'342.0	6'501.0	21.7	34.38	39.7	86.8	
193 Fiji	8.0	8.0 [98]	...	1.02	9.4 [98]	100.0 [98]	
194 French Polynesia	11.1	21.9	98.3	9.49	29.6	100.0	
195 Guam	5.7 [97]	...	...	...	...	...
196 Kiribati	-	- [98]	...	0.03	0.8 [98]	- [98]	
197 Marshall Islands	0.3	0.3 [98]	...	0.57	8.4 [98]	- [98]	
198 Micronesia	- [97]	...	...	...	...	...
199 New Caledonia	13.0	21.2	62.8	10.10	29.5	100.0	
200 New Zealand	790.0	881.0	11.5	23.01	31.9	100.0 [98]	
201 Northern Marianas	...	...	...	...	...	...
202 Papua New Guinea	... [96]	...	...	...	...	...
203 Samoa	3.0	3.0 [98]	...	1.72	26.1 [98]	- [98]	
204 Solomon Islands	0.7	0.7 [98]	...	0.17	8.2 [98]	- [98]	
205 Tonga	... [96]	...	...	...	...	...
206 Vanuatu	0.2	0.2 [98]	...	0.12	4.1 [98]	- [98]	
Oceania	6'174.1	7'437.4	20.6	29.89	38.4	88.2	
World	319'108.4	480'622.0	50.6	8.10	35.2	75.3	

Source: ITU.