

Selected Telecommunications Indicators

	Telecommunication staff				Main lines per employee			Main telephone lines	Telecomms Revenue
	CAGR		%		CAGR			per 100 inhabitants	Per employee
	(k)	(%)	female				(%)	Teledensity	(US\$)
	1995	2000	1995-00	2000	1995	2000	1995-00	2001	2000
1 Angola	2.2	2.1	-1.2	25.9	23	33	7.1	0.59	53,906
2 Armenia	9.3	7.7	-3.6	47.9	63	69	1.9	13.97	10,005
3 Azerbaijan	14.0	10.0	-6.6	77.1	46	80	12.0	11.13	7,891
4 Bangladesh	19.3	16.1	-3.6	...	15	29	14.6	0.39	22,173
5 Benin	1.4	1.0	-6.7	...	20	53	21.0	0.92	55,450
6 Bhutan	0.5	0.4	-4.4	9.9	10	27	28.2	2.03	11,531
7 Burkina Faso	1.2	1.3	0.8	12.3	25	42	11.2	0.47	40,495
8 Burundi	0.6	0.6	-1.1	...	28	33	3.6	0.29	15,698
9 Cambodia	0.6	0.7	3.5	...	15	46	25.0	0.25	32,541
10 Cameroon	1.9	2.2	3.4	...	34	43	6.0	0.67	30,997
11 Central African Rep.	0.4	0.4	0.7	...	21	23	1.7	0.26	24,265
12 Chad	0.4	0.3	-1.3	...	15	25	19.0	0.14	...
13 Comoros	0.1	0.1	-2.0	...	32	57	11.9	1.22	52,047
14 Congo	0.9	...	...	...	23	...	...	0.71	...
15 Cote d'Ivoire	3.6	2.7	-5.3	...	32	96	24.4	1.80	112,644
16 D.R. Congo	1.9	...	...	...	19	...	...	0.04	...
17 Eritrea	0.6	0.5	-6.2	47.7	28	67	19.1	0.84	34,855
18 Ethiopia	5.5	7.1	5.2	35.0	26	33	4.8	0.48	12,483
19 Gambia	0.8	0.9	4.9	75.2	25	31	5.9	2.62	25,368
20 Georgia	7.7	10.0	5.3	...	72	76	1.1	15.86	3,104
21 Ghana	3.4	3.8	2.3	20.5	19	63	27.4	1.16	24,206
22 Guinea	0.9	0.8	-1.1	32.5	13	30	18.7	0.32	34,207
23 Guinea-Bissau	0.3	0.2	-3.8	...	25	46	12.9	0.98	60,737
24 Haiti	2.6	4.0	9.0	...	23	18	-4.7	0.97	...
25 India	421.1	423.0	0.1	12.4	28	77	21.9	3.38	17,324
26 Indonesia	39.8	37.7	-1.1	...	83	177	16.4	3.70	62,268
27 Kenya	14.0	20.0	7.5	27.4	18	16	-2.6	1.00	15,208
28 Kyrgyzstan	7.0	7.3	0.7	51.5	51	52	0.3	7.71	3,096
29 Lao P.D.R.	0.9	1.1	5.9	25.6	19	36	13.1	0.93	22,647
30 Lesotho	0.8	0.3	-15.2	38.4	22	64	23.3	1.03	30,431
31 Madagascar	3.2	2.7	-3.3	21.5	12	21	12.0	0.36	29,944
32 Malawi	4.0	5.1	5.0	57.8	9	9	0.6	0.47	66,078
33 Mali	1.3	1.4	0.3	22.8	13	29	17.6	0.43	43,891
34 Mauritania	0.5	0.7	9.8	28.7	21	26	5.1	0.72	35,043
35 Moldova	7.5	7.4	-0.3	40.4	75	79	0.9	15.40	6,785
36 Mongolia	5.3	4.6	-3.0	...	15	26	11.9	4.81	10,368
37 Mozambique	2.5	2.3	-1.7	...	24	37	9.3	0.44	48,640
38 Myanmar	7.1	7.8	1.9	...	22	34	9.0	0.58	1,993
39 Nepal	3.9	4.6	3.7	90.3	22	57	21.6	1.26	14,998
40 Nicaragua	3.2	2.3	-7.8	40.3	30	65	21.1	3.12	30,696
41 Niger	1.2	1.4	2.8	...	12	15	5.0	0.19	11,895
42 Nigeria	14.3	11.4	-5.5	...	28	36	6.2	0.43	130,782
43 Pakistan	52.1	55.7	1.3	...	41	55	6.1	2.35	19,926
44 Rwanda	0.4	0.3	-5.6	23.0	17	59	27.7	0.27	58,678
45 S. Tome & Principe	0.1	0.1	-5.9	77.8	17	43	20.1	3.63	39,040
46 Sengal	1.8	1.5	-4.4	24.4	44	140	25.8	2.45	120,206
47 Sierra Leone	1.0	1.0	0.3	...	17	19	2.3	0.47	2,353
48 Solomon Islands	0.3	0.2	-11.4	14.6	24	51	16.7	1.60	79,431
49 Sudan	2.5	2.8	2.3	18.4	30	138	35.7	1.42	46,577
50 Tajikistan	5.3	5.0	-1.3	51.3	50	44	-2.3	3.63	1,402
51 Tanzania	4.8	3.6	-5.2	30.1	19	48	20.3	0.41	38,290
52 Togo	0.9	0.9	-0.3	16.7	24	49	14.9	1.03	44,386
53 Uganda	1.3	2.4	12.4	...	29	26	-2.5	0.28	52,087
54 Ukraine	1118.0	128.2	1.7	...	70	81	2.9	21.21	9,370
55 Uzbekistan	25.7	25.8	0.1	...	60	64	1.3	6.58	8,747
56 Viet Nam	58.0	79.6	17.2	...	13	17	11.9	3.76	...
57 Yemen	3.3	5.2	9.3	7.0	56	67	3.6	2.21	18,021
58 Zambia	3.5	3.1	-2.1	19.3	22	27	3.8	0.80	20,654
59 Zimbabwe	5.1	4.6	-2.2	...	30	54	12.8	1.86	38,419
Low Income	901.7	933.9	0.8	35.1	38	69	12.7	2.90	20,581

		Telecommunication staff				Main lines per employee			Main telephone lines	Telecomms Revenue
		CAGR		%	female	CAGR		per 100 inhabitants	Per employee	
		(k)	(%)			(%)	(%)			
		1995	2000	1995-00	2000	1995	2000	1995-00	2001	2000
60	Albania	4.5	4.5	-0.1	48.0	9	34	29.4	4.97	14,349
61	Algeria	18.4	17.9	-0.6	...	64	98	9.0	6.04	17,073
62	Belarus	25.6	26.7	0.8	...	77	103	6.0	27.88	4,677
63	Belize	0.4	0.4	1.8	38.2	79	90	2.5	14.44	125,733
64	Bolivia	1.7	3.4	14.3	...	141	148	0.9	6.04	132,427
65	Bosnia	2.5	1.8	-6.0	20.3	96	225	18.5	11.07	105,143
66	Bulgaria	26.2	25.8	-0.3	51.9	98	112	2.7	35.94	15,042
67	Cape Verde	0.4	0.5	3.0	31.7	52	113	17.0	14.27	79,555
68	China	479.5	685.0	9.3	...	85	159	16.9	13.81	...
69	Colombia	20.9	39.1	13.3	...	185	184	-0.1	17.05	58,549
70	Cuba	15.7	16.7	1.3	50.6	23	29	5.3	5.10	41,808
71	Djibouti	0.5	0.5	1.8	...	16	18	3.3	1.54	39,013
72	Dominican Rep.	5.0	3.8	-8.6	39.1	117	203	20.2	10.84	...
73	Ecuador	4.6	7.0	8.7	...	152	181	3.6	10.37	65,544
74	Egypt	52.3	54.9	1.0	17.7	52	100	14.0	10.30	49,654
75	El Salvador	5.8	4.2	-6.1	...	49	135	22.3	9.34	132,568
76	Equatorial Guinea	0.3	0.2	-10.7	...	8	36	33.7	1.47	87,577
77	Fiji	1.1	1.4	4.9	77.8	61	64	1.0	11.00	47,226
78	Guatemala	5.5	4.7	-4.1	...	52	130	26.0	6.47	52,430
79	Guyana	0.7	0.7	-1.9	...	61	104	11.1	9.19	108
80	Honduras	4.7	6.0	4.9	32.8	34	50	7.9	4.71	50,977
81	Iran (I.R.)	51.3	47.9	-1.4	6.3	99	198	14.9	15.50	37,167
82	Jamaica	4.2	2.9	-7.0	...	69	175	20.4	19.73	145,066
83	Jordan	4.4	6.4	8.0	19.0	72	96	5.9	12.74	87,508
84	Kazakhstan	50.7	30.6	-9.6	...	39	60	9.2	11.31	8,822
85	Kiribati	0.1	0.1	4.8	37.9	20	26	5.6	4.03	32,961
86	Latvia	6.6	4.3	-8.1	41.0	107	170	9.8	30.83	51,785
87	Lithuania	9.9	6.0	-9.3	...	95	197	15.5	31.29	42,991
88	Maldives	0.4	0.5	6.7	24.6	36	46	4.9	10.09	99,654
89	Marshall Islands	0.1	0.1	-1.9	...	29	40	6.7	5.98	60,396
90	Micronesia	0.1	0.1	-1.3	18.5	57	74	5.5	8.33	84,231
91	Morocco	14.6	14.5	-0.2	20.2	77	98	5.0	3.92	77,795
92	Namibia	1.9	1.7	-2.4	...	42	66	9.6	6.57	56,392
93	Palestine	0.6	1.7	24.9	...	143	149	0.8	7.76	34,048
94	Papua New Guinea	2.0	1.8	-2.4	19.0	22	36	10.9	1.35	44,218
95	Paraguay	6.6	5.9	-2.8	...	25	46	15.9	5.12	...
96	Peru	8.5	6.3	-5.6	...	131	271	15.6	7.75	241,159
97	Philippines	19.4	13.3	-7.3	...	73	230	26.0	4.02	143,494
98	Romania	53.6	42.3	-4.6	53.0	55	92	10.7	18.28	20,466
99	Russia	442.2	427.7	-0.7	...	57	75	5.8	24.33	12,047
100	Samoa	0.2	0.2	3.7	...	47	43	-1.8	5.56	48,632
101	Sri Lanka	8.2	11.9	7.8	20.0	25	65	20.6	4.33	32,605
102	St. Vincent	0.2	0.2	-4.7	20.0	87	151	11.7	21.96	174,721
103	Suriname	1.2	1.0	-2.8	26.9	45	72	9.9	17.58	43,875
104	Swaziland	0.4	0.5	3.0	...	49	64	5.7	3.14	55,331
105	Syria	17.2	21.2	4.3	27.0	56	79	7.2	10.88	18,016
106	TFYR Macedonia	3.2	3.7	3.2	32.9	111	137	4.3	26.35	49,952
107	Thailand	34.9	33.1	-1.1	...	100	169	11.1	9.39	97,721
108	Tonga	0.3	0.3	-0.2	...	25	35	8.5	9.86	16,598
109	Tunisia	5.8	7.0	3.9	27.3	90	136	8.7	10.89	57,157
110	Turkmenistan	7.8	7.4	-1.0	...	41	49	3.7	8.02	6,250
111	Vanuatu	0.2	0.2	0.7	...	24	37	8.8	3.36	65,072
112	Yugoslavia	11.4	15.0	5.7	...	177	160	-2.0	22.88	22,822
	Lower Middle Income	1444.4	1621.1	2.3	32.1	73	126	11.5	13.59	30,642

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		CAGR		%	female	1995	2000	CAGR	per 100 inhabitants	Per employee
		(k)	(%)							
		1995	2000	1995-00	2000	1995	2000	1995-00	2001	2000
									Teledensity	
113	Antigua & Barbuda	...	0.5	...	...	...	81	...	47.35	...
114	Argentina	29.7	19.5	-8.1	...	189	406	16.5	21.63	513,848
115	Bahrain	2.1	2.1	-0.5	...	66	82	4.4	24.66	185,572
116	Botswana	1.6	1.8	2.9	...	38	71	16.6	9.27	68,724
117	Brazil	92.5	105.0	2.6	...	143	295	15.5	21.69	242,221
118	Chile	10.3	14.0	6.4	...	177	243	6.5	23.90	183,141
119	Costa Rica	4.5	4.8	1.2	...	106	187	12.1	22.97	61,840
120	Croatia	9.5	10.8	3.4	...	136	151	2.7	36.52	71,387
121	Czech Republic	29.8	23.6	-4.6	38.5	82	164	14.9	37.43	108,506
122	Dominica	0.2	0.2	-6.6	...	81	127	12.1	29.06	79,706
123	Estonia	4.1	3.0	-5.7	53.1	101	172	11.2	35.21	94,802
124	Gabon	0.8	1.1	5.8	...	40	37	-1.7	3.18	65,919
125	Grenada	0.3	0.3	-0.4	34.1	85	117	6.6	32.75	...
126	Guadeloupe	0.8	0.8	-1.2	...	204	261	6.3	44.93	194,700
127	Hungary	22.4	20.8	-1.4	...	96	182	13.6	37.40	153,996
128	Korea (Rep.)	62.1	69.5	2.3	...	300	316	1.1	47.60	297,061
129	Lebanon	3.5	5.7	13.0	...	94	114	4.9	19.49	104,716
130	Libya	10.0	14.0	7.0	...	32	43	6.3	10.93	...
131	Malaysia	28.8	24.8	-0.3	...	116	187	10.1	19.91	111,467
132	Mauritius	1.7	1.8	1.9	19.6	89	153	11.5	25.56	78,761
133	Mayotte	0.1		-21.9	...	75	372	49.1	6.98	317,915
134	Mexico	49.0	92.4	13.5	...	180	133	-5.8	13.48	142,102
135	Oman	2.5	2.1	-3.4	...	69	109	9.6	8.97	189,612
136	Panama	3.6	5.5	8.7	...	84	78	-1.4	14.83	79,455
137	Poland	73.3	69.0	-1.2	...	78	159	15.2	29.51	102,428
138	Puerto Rico	8.1	5.7	-6.6	...	148	226	8.9	33.64	202,629
139	Saudi Arabia	20.5	23.9	3.1	...	84	124	8.2	14.48	186,672
140	Seychelles	0.3	0.4	3.1	33.2	41	51	4.5	26.73	110,806
141	Slovak Republic	15.4	15.1	-0.4	...	73	112	9.1	28.80	51,625
142	South Africa	57.5	43.8	-5.3	26.0	70	113	10.3	11.35	155,127
143	St. Kitts and Nevis	0.2	0.2	-5.0	...	70	119	14.3	56.88	164,524
144	Trinidad & Tobago	2.7	3.0	2.1	...	77	98	5.1	23.99	79,448
145	Turkey	75.0	72.4	-0.7	16.1	176	254	7.6	28.52	73,964
146	Uruguay	6.3	5.5	-2.7	...	98	169	11.4	28.29	141,358
147	Venezuela	20.5	20.7	0.1	...	120	123	0.4	11.20	174,590
	Upper Middle Income	649.7	683.5	1.0	31.5	139	203	7.9	22.70	170,861

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		(k)		CAGR	%	CAGR		per 100 inhabitants	Per employee	
		1995	2000	(%)	female	1995	2000	Teledensity	(US\$)	
		1995-00	2000			1995-00	2001	2000		
148	Andorra	0.1	0.1	0.5	...	233	253	2.9	43.83	294,624
149	Aruba	0.4	0.4	1.9	...	73	93	4.9	35.03	216,224
150	Australia	76.9	59.2	-5.1	...	116	170	7.9	52.02	247,422
151	Austria	17.4	18.6	1.3	...	219	207	-1.1	46.81	294,278
152	Bahamas	2.4	1.1	-14.4	...	35	103	24.4	40.03	...
153	Barbados	1.0	0.9	-2.5	...	90	139	9.3	46.29	191,521
154	Belgium	25.2	22.7	-2.1	...	186	223	3.7	49.30	207,433
155	Bemuda	0.4	0.5	3.8	...	122	123	0.1	87.15	189,591
156	Brunei Darussalam	0.9	0.9	-0.9	...	74	86	5.4	24.52	65,189
157	Canada	90.1	87.0	-0.7	...	195	239	4.2	65.51	239,507
158	Cyprus	2.4	2.4	0.4	23.3	148	183	4.4	64.25	124,173
159	Denmark	16.1	21.3	5.8	...	199	180	-2.0	72.33	195,827
160	Finland	16.4	24.2	8.1	...	171	118	-7.2	54.76	165,549
161	France	168.1	170.5	0.4	...	193	199	0.8	57.35	...
162	French Polynesia	0.8	0.8	-0.9	...	59	66	3.8	22.19	...
163	Germany	229.7	240.7	0.9	...	183	209	2.7	63.48	211,043
164	Greece	24.6	19.6	-4.4	17.6	210	289	6.6	52.92	237,778
165	Greenland	0.4	0.6	7.9	...	44	40	-1.8	46.74	125,290
166	Guam	0.4	0.5	5.7	...	155	143	-4.0	47.80	...
167	Guernsey	0.3	0.3	1.3	28.1	160	189	3.4	87.50	160,682
168	Hongkong SAR	36.1	38.6	1.3	...	91	102	2.3	58.08	172,821
169	Iceland	1.0	1.4	6.4	40.0	147	139	-1.1	66.39	149,912
170	Ireland	11.7	17.4	8.3	...	112	91	-4.0	48.45	150,596
171	Israel	9.0	11.9	5.8	...	261	253	-0.6	47.63	293,214
172	Italy	101.9	75.8	-5.7	...	244	358	8.0	47.06	446,594
173	Japan	213.6	161.0	-5.5	...	292	462	9.6	59.69	758,080
174	Jersey	0.3	0.4	5.9	...	185	171	-1.6	84.79	206,234
175	Kuwait	7.3	7.7	1.1	36.4	52	61	3.0	23.97	50,183
176	Luxembourg	0.8	0.9	2.1	...	292	373	5.0	78.30	319,139
177	Macao SAR	1.0	1.0	0.5	33.5	157	176	2.4	39.39	193,797
178	Malta	1.8	2.0	2.3	...	93	100	1.3	53.00	53,546
179	Martinique	0.7	0.7	1.0	...	237	243	0.7	43.00	149,008
180	Netherlands	30.5	58.5	13.9	21.7	266	169	-8.7	62.11	229,950
181	New Caledonia	0.3	0.3	0.6	...	153	174	2.6	23.69	295,228
182	New Zealand	8.5	5.4	-8.9	...	202	341	11.1	47.14	467,622
183	Northern Marianas	0.1	...	...	...	133	...	...	50.55	...
184	Norway	18.8	23.0	4.1	...	132	144	1.7	72.04	198,384
185	Portugal	21.2	18.4	-2.8	...	171	234	6.5	42.41	270,702
186	Qatar	1.6	1.7	1.2	5.7	79	97	4.2	27.45	184,011
187	Singapore	6.4	8.0	4.7	...	224	242	1.6	47.17	301,647
188	Slovenia	3.1	3.7	3.4	29.6	196	212	1.6	40.09	91,686
189	Spain	69.6	41.2	-10.0	26.7	217	415	13.9	43.11	396,036
190	Sweden	32.8	28.7	-2.6	38.2	183	231	4.7	73.91	254,172
191	Switzerland	20.2	24.8	4.2	...	222	211	-1.0	71.79	336,228
192	Taiwan-China	35.9	43.4	3.9	33.1	256	291	2.6	57.34	222,202
193	United Arab Emirates	5.3	8.3	9.4	13.3	127	122	-0.7	39.69	226,908
194	United Kingdom	145.0	207.0	7.4	27.1	203	170	-3.5	57.78	256,185
195	United States	899.7	1118.2	4.4	...	178	172	-0.6	66.45	261,815
196	Virgin Islands (US)	0.4	0.4	0.6	...	138	150	3.0	56.97	154,630
	High Income	2358.7	2582.4	1.8	26.7	195	210	1.5	59.69	289,807
	WORLD	5354.5	5821.0	1.7	32.3	129	163	4.8	17.19	176,824
	Africa	257.2	251.5	-0.2	30.8	49	78	9.8	2.62	68,880
	Americas	1316.7	1596.5	3.9	35.3	168	182	1.6	35.14	239,818
	Asia	1791.7	1971.8	1.9	31.2	101	157	9.2	10.68	163,131
	Europe	1900.3	1933.0	0.3	34.1	138	164	3.4	40.54	141,229
	Oceania	91.4	70.5	-5.0	33.5	120	174	7.7	40.04	252,219

Note: For data comparability and coverage, see the technical notes.
Figures in italics are estimates or refer to years other than those specified.
Source: Compiled from ITU statistics

Source: compiled from ITU statistics. For latest data go to www.itu.int