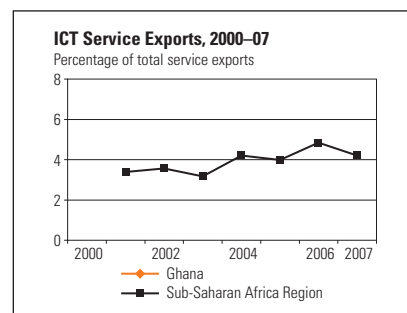
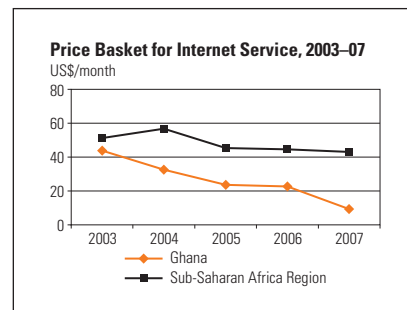
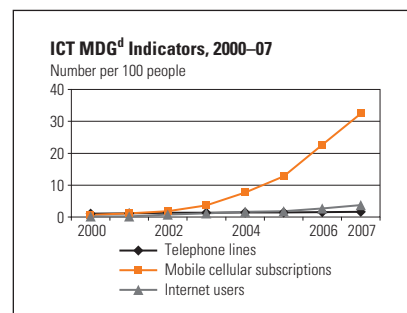
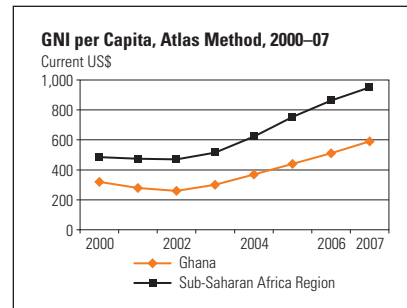


Ghana

	Ghana		Low-income group	Sub-Saharan Africa Region
	2000	2007	2007	2007
Economic and social context				
Population (total, million)	20	23	1,296	800
Urban population (% of total)	44	49	32	36
GNI per capita, World Bank Atlas method (current US\$)	320	590	574	951
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	5.5	5.6	5.1
Adult literacy rate (% of ages 15 and older)	58	65	64	62
Gross primary, secondary, tertiary school enrollment (%)	46	53	51	51
Sector structure				
Separate telecommunications regulator	Yes	Yes		
Status of main fixed-line telephone operator	<i>Mixed</i>	Public		
Level of competition ^a				
International long distance service	<i>P</i>	P		
Mobile telephone service	<i>C</i>	P		
Internet service	<i>C</i>	C		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	1.8	—	3.3	4.7
Mobile and fixed-line subscribers per employee	91	1,261	301	499
Telecommunications investment (% of revenue)	29.5	—	—	—
Sector performance				
Access				
Telephone lines (per 100 people)	1.1	1.6	4.0	1.6
Mobile cellular subscriptions (per 100 people)	0.6	32.4	21.5	23.0
Internet subscribers (per 100 people)	0.1	0.1	0.8	1.2
Personal computers (per 100 people)	0.3	0.6	1.5	1.8
Households with a television set (%)	23	25	16	18
Usage				
International voice traffic (minutes/person/month) ^b	0.9	0.1	—	—
Mobile telephone usage (minutes/user/month)	50	111	—	—
Internet users (per 100 people)	0.1	3.8	5.2	4.4
Quality				
Population covered by mobile cellular network (%)	—	68	54	56
Fixed broadband subscribers (% of total Internet subscrib.)	0.0	69.2	3.4	3.1
International Internet bandwidth (bits/second/person)	0	21	26	36
Affordability				
Price basket for residential fixed line (US\$/month)	—	6.3	5.7	12.6
Price basket for mobile service (US\$/month)	—	5.7	11.2	11.6
Price basket for Internet service (US\$/month)	—	9.4	29.2	43.1
Price of call to United States (US\$ for 3 minutes)	1.65	0.39	2.00	2.43
Trade				
ICT goods exports (% of total goods exports)	—	0.0	1.4	1.1
ICT goods imports (% of total goods imports)	—	6.3	6.7	8.2
ICT service exports (% of total service exports)	—	—	—	4.2
Applications				
ICT expenditure (% of GDP)	—	—	—	—
E-government Web measure index ^c	—	0.29	0.11	0.16
Secure Internet servers (per 1 million people, Dec. 2008)	0.0	0.7	0.5	2.9



Sources: Economic and social context: UIS and World Bank; Sector structure: ITU; Sector efficiency and capacity: ITU and World Bank; Sector performance: Global Insight/WITSA, IMF, ITU, Netcraft, UN Comtrade, UNDESA, UNPAN, Wireless Intelligence and World Bank. Produced by the Global Information and Communication Technologies Department and the Development Economics Data Group. For complete information, see Definitions and Data Sources.

Notes: Use of italics in the column entries indicates years other than those specified. — Not available. GDP = gross domestic product; GNI = gross national income; ICT = information and communication technology; and MDG = Millennium Development Goal.

a. C = competition; M = monopoly; and P = partial competition. **b.** Outgoing and incoming. **c.** Scale of 0–1, where 1 = highest presence. **d.** Millennium Development Goal indicators 8.14, 8.15, and 8.16.