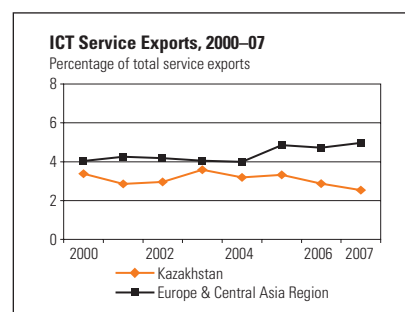
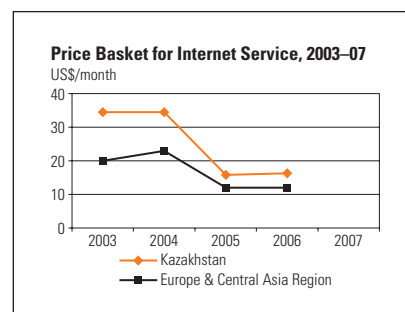
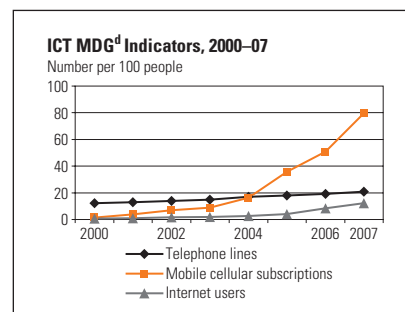
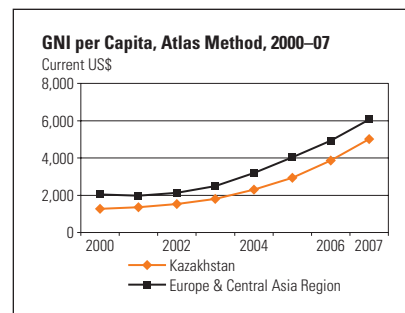


Kazakhstan

| | Kazakhstan | | Upper-middle-income group | Europe & Central Asia Region |
|---|--------------|--------------|---------------------------|------------------------------|
| | 2000 | 2007 | 2007 | 2007 |
| Economic and social context | | | | |
| Population (total, million) | 15 | 15 | 824 | 446 |
| Urban population (% of total) | 56 | 58 | 75 | 64 |
| GNI per capita, World Bank Atlas method (current US\$) | 1,270 | 5,020 | 7,107 | 6,052 |
| GDP growth, 1995–2000 and 2000–07 (avg. annual %) | 1.9 | 10.0 | 4.3 | 6.1 |
| Adult literacy rate (% of ages 15 and older) | 100 | 100 | 94 | 98 |
| Gross primary, secondary, tertiary school enrollment (%) | 79 | 94 | 82 | 82 |
| Sector structure | | | | |
| Separate telecommunications regulator | — | No | | |
| Status of main fixed-line telephone operator | <i>Mixed</i> | <i>Mixed</i> | | |
| Level of competition ^a | | | | |
| International long distance service | <i>C</i> | <i>C</i> | | |
| Mobile telephone service | <i>P</i> | <i>P</i> | | |
| Internet service | — | — | | |
| Sector efficiency and capacity | | | | |
| Telecommunications revenue (% of GDP) | 1.5 | 2.9 | 3.3 | 2.9 |
| Mobile and fixed-line subscribers per employee | 66 | 308 | 566 | 532 |
| Telecommunications investment (% of revenue) | 26.7 | 22.5 | — | 22.0 |
| Sector performance | | | | |
| Access | | | | |
| Telephone lines (per 100 people) | 12.3 | 20.9 | 22.6 | 25.7 |
| Mobile cellular subscriptions (per 100 people) | 1.3 | 79.6 | 84.1 | 95.0 |
| Internet subscribers (per 100 people) | — | 4.4 | 9.4 | 13.6 |
| Personal computers (per 100 people) | — | — | 12.4 | 10.6 |
| Households with a television set (%) | 92 | — | 92 | 96 |
| Usage | | | | |
| International voice traffic (minutes/person/month) ^b | 1.6 | 3.9 | — | — |
| Mobile telephone usage (minutes/user/month) | — | 100 | 137 | 154 |
| Internet users (per 100 people) | 0.7 | 12.3 | 26.6 | 21.4 |
| Quality | | | | |
| Population covered by mobile cellular network (%) | 94 | 81 | 95 | 92 |
| Fixed broadband subscribers (% of total Internet subscrib.) | — | 39.6 | 47.8 | 32.5 |
| International Internet bandwidth (bits/second/person) | 1 | 129 | 1,185 | 1,114 |
| Affordability | | | | |
| Price basket for residential fixed line (US\$/month) | — | 4.8 | 10.6 | 5.8 |
| Price basket for mobile service (US\$/month) | — | 11.4 | 10.9 | 11.8 |
| Price basket for Internet service (US\$/month) | — | 16.3 | 16.4 | 12.0 |
| Price of call to United States (US\$ for 3 minutes) | 2.76 | — | 1.55 | 1.63 |
| Trade | | | | |
| ICT goods exports (% of total goods exports) | 0.6 | 0.1 | 13.5 | 1.8 |
| ICT goods imports (% of total goods imports) | 6.9 | 5.2 | 16.2 | 7.0 |
| ICT service exports (% of total service exports) | 3.4 | 2.5 | 4.6 | 5.0 |
| Applications | | | | |
| ICT expenditure (% of GDP) | — | — | 5.2 | 5.0 |
| E-government Web measure index ^c | — | 0.32 | 0.37 | 0.36 |
| Secure Internet servers (per 1 million people, Dec. 2008) | 0.5 | 2.0 | 26.2 | 23.9 |



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.