

A ICT Infrastructure

The statistical data on **the available telecommunication and Internet infrastructure** – total number of telephone subscribers in fixed and mobile telephone networks and broadband subscribers published in this chapter originate from the following sources:

- **The Czech Telecommunication Office (CTO)** – data on the number of subscribers in the fixed telephone network (fixed lines) and data on broadband subscribers for the Czech Republic.

Note: The above-mentioned data were supplemented by the publicly available data of individual mobile operators (active SIM cards).

- **The International Telecommunication Union (ITU)** – data for the international comparison of the mobile telephone network subscribers and broadband subscribers.
- **The Organisation for Economic Co-operation and Development (OECD)** - international data on the broadband subscribers by used technology.

Definitions:

- **Subscriber of a fixed/mobile telephone network** is a natural person or legal entity connected to these networks on the basis of a contract with the provider of access to these networks.
- **Fixed telephone lines** refer to telephone lines connecting a subscriber's terminal equipment to the public switched telephone network (PSTN) and which have a dedicated port on a telephone exchange.
- **Active SIM cards** refer to users of portable telephones subscribing to a public mobile telephone service using cellular technology, which provides access to the PSTN.
 - **Pre-paid card** – a customer prepay credit; all services are paid in advance.

Note: An inactive user, which refers to owners of a prepaid card that have not made or received a call within the last 3 months, should be excluded.

- **Post-paid subscriber** - a customer with a concluded contract with the operator, on the basis of which this customer pays a monthly lump-sum fee within a reasonable period of time.

Note: One person can use more than one active SIM card, i.e. the number of mobile telephone subscribers may be higher than the total number of individuals.

- **Broadband subscriber** is a client (a natural person or legal entity) that uses a high speed Internet access service based on a contract signed with an Internet service provider (ISP).
- **Broadband connection** includes one of the following Internet access services that enable a high-speed Internet connection (256 or more kbit/s, in one or both directions): xDSL (ADSL etc.), Cable TV (cable modem/CATV), WiFi and other fixed wireless connections (FWA), via mobile networks (CDMA, UMTS) and other (fibre etc.)

More detailed information and data are available free of charge at the following dedicated website (only in Czech):

http://www.czso.cz/csu/redakce.nsf/i/telekomunikacni_a_internetova_infrastuktura

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Tab. A1 Telephone subscribers in the Czech Republic

	in thousands		
	2006	2007	2008
Fixed networks (fixed telephone lines)	2 855	2 403	2 264
residential lines	1 828	1 395	1 273
business lines	951	935	969
others	76	71	22
outgoing fixed telephone traffic (minutes in mil.)			
national	5 445	4 732	2 692
international	260	207	184
Mobile networks (active SIM cards)	12 326	13 055	13 571
pre-paid cards subscribers	7 363	7 207	7 077
post-paid (contract) subscribers	4 963	5 849	6 493
outgoing mobile telephone traffic (minutes in mil.)			
national	9 249	10 497	12 351
international	350	385	347

Figure A1 Telephone lines per 100 inhabitants

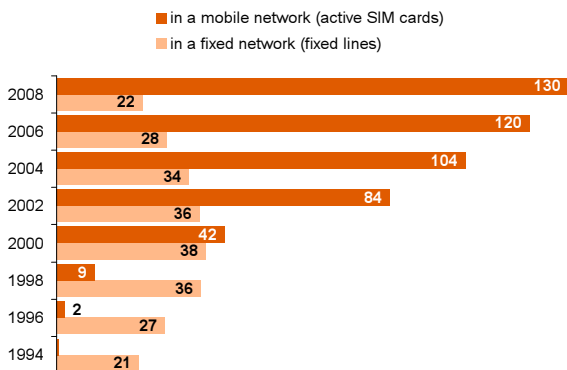
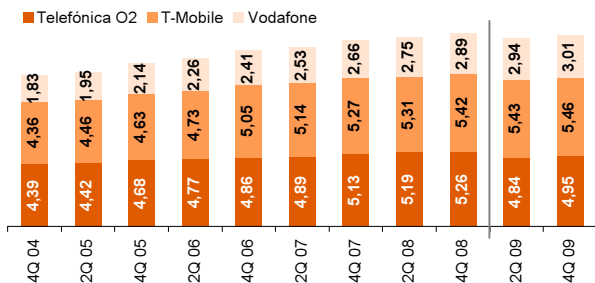


Figure A2 Mobile phone subscribers (mil. active SIM cards)



Q - quarter

Note: In 2009 break in time series for data on number of Telefónica O2 active mobile phone subscribers due to change in used methodology

Source: Czech Telecommunication Office (fixed telephone lines);
Mobile operators (number of mobile subscribers)

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Figure A3 Fixed telephone lines per 100 inhabitants

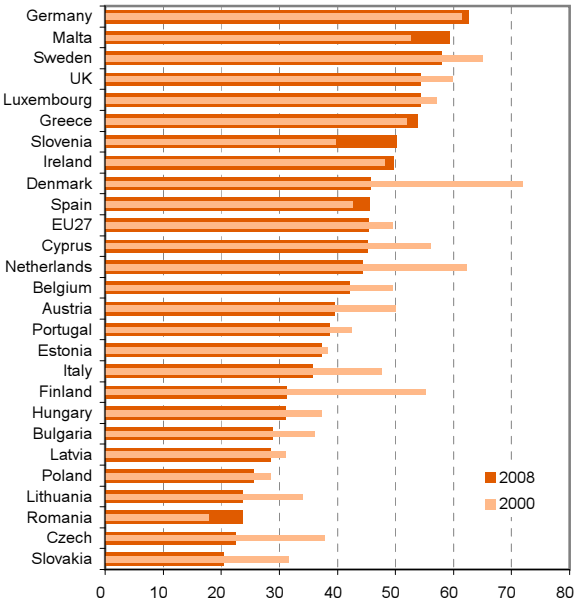
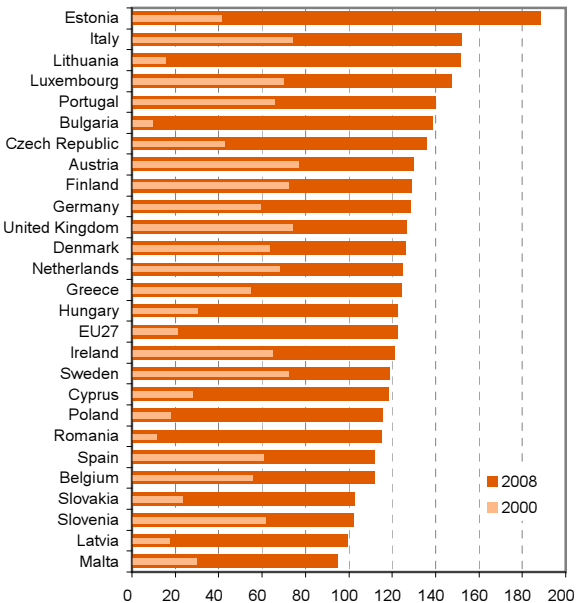


Figure A4 Mobile phone subscribers per 100 inhabitants



Source: International Telecommunication Union

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Tab. A2 Broadband subscribers in the Czech Republic

	in thousands		
	2006	2007	2008
Total	1 249	1 681	2 036
DSL (ADSL)	493	613	697
TV cable	230	309	382
mobile networks (CDMA, UMTS)	119	183	277
Wifi + other FWA connection	370	520	610
fibre (FTTX)	36	55	70

Figure A5 Broadband subscribers (thousands)

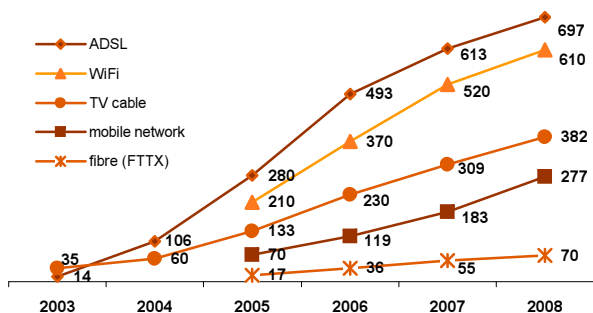


Figure A6 Broadband subscribers, by technology; 2008

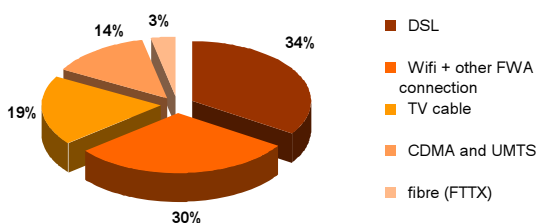
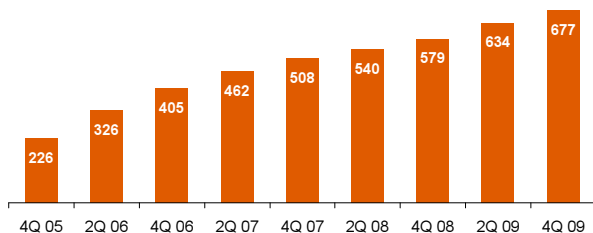


Figure A7 ADSL Internet subscribers (thousands)

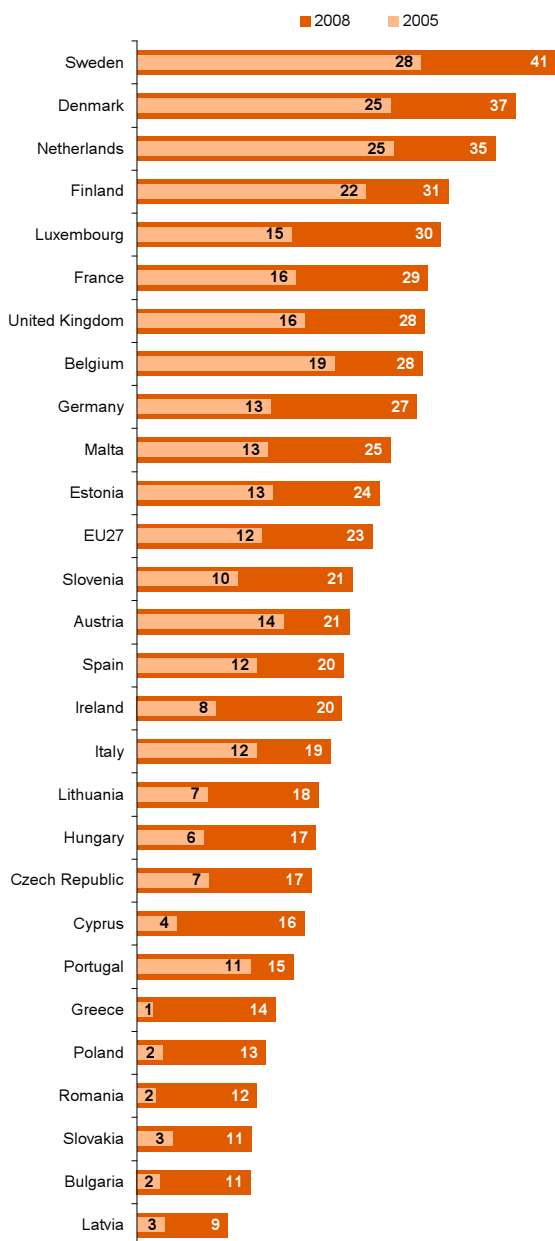


Source: TO2 - Telefónica O2 Czech Republic, a.s

Source: Czech Telecommunication Office

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Figure A8 Broadband subscribers per 100 inhabitants



Source: International Telecommunication Union

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Figure A9 Broadband subscribers per 100 inhabitants, by technology; June 2009

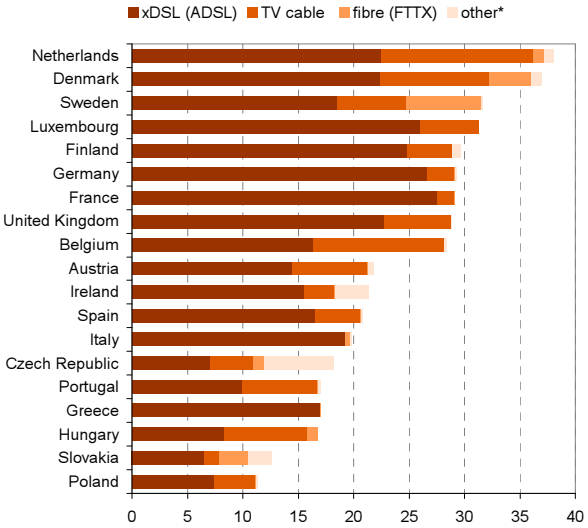
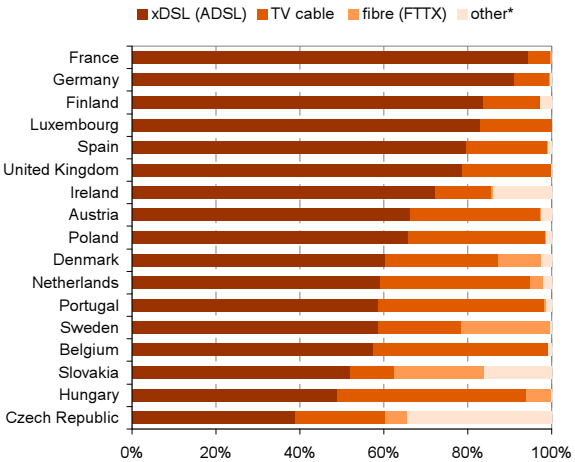


Figure A10 Broadband subscribers, by technology; 2009



* it includes fixed wireless technologies; BPL and Leased lines. It does not include 3G mobile technologies and Wi-Fi except in case that Wi-Fi/3G is the transport mechanism of a fixed-wireless provider (e.g. in rural UK, CZ)

Note: data for fibre and some other broadband technologies are not always available for all countries