

B Households and ICT

Since 2002, the Czech Statistical Office (CZSO) has been regularly monitoring the selected information and communication technologies (ICT) in Czech households by an independent annual statistical survey titled: **“Sample Survey on ICT Use in Households and by Individuals.”**

Since 2006, this survey has been carried out according to the **Regulation (EC) No 808/2004** of the European Parliament and of the Council concerning Community statistics on the information society. It allows internationally comparable data exchange among the EU Member States.

The survey is representative of the population of persons living in **private households** in the territory of the Czech Republic, i.e. the survey does not cover individuals living in so-called collective households (correctional facilities, social care institutions, retirement homes, etc.).

The survey applies the method of **personal interviews with the use of personal computer** (Computer Assisted Personal Interviewing – CAPI) in a sample of around 10 000 individuals aged 16+ years in approx. **6 000 households**.

The **reference period** is the 2nd quarter of the monitored year.

Comparability of data published by the CZSO and Eurostat

Data published by Eurostat for Czech households **slightly differ** from data published by the CZSO. *Note: This difference is because Eurostat includes solely households with at least one person aged 16–74 years. The CZSO publishes data for all households (without age restrictions) in a standard way. Therefore, tables for the Czech Republic in this publication give two values - for all households, and for households with at least one member younger than 75 years.*

Definitions

- **Households with a computer** involve households, which at the time of the survey stated, that at least one of the household members used a computer (desktop PC, laptop, or tablet) at home. *Note: The household does not need to be in possession of the computer (it may be employer’s computer, a borrowed one from friends, etc.) yet this computer should be functional and located at home. A portable computer may not be permanently located at home; it may be in use at work or at school.*
- **Households with the Internet** shall mean households, which at the time of the survey stated that at least one of the household members used the Internet at home, regardless the device type or the way of connection. *Note: The Internet connection at home to any of devices is counted. That means not merely to a computer, yet also to tablet, mobile phone, smart television, game console, etc.*
- A **WiFi router** is a device that provides a wireless access to the Internet and enables persons in the given household to be connected to the Internet from multiple devices at the same time and from any location, which is within the wireless Internet signal provided by the WiFi router.
- **Households of persons aged up to 40 years with no children** shall mean households in which only persons aged up to 40 years who have no child live.
- **Households of persons aged 65+ years with no children** shall mean households in which only persons aged 65+ years live.
- **Households with children** shall mean households with children up to 15 years of age, included.

The **Household Budget Survey (HBS)** of the CZSO is the source of data on households equipped with **fixed and mobile phones**, as at the end of the reference year. Within the scope of this survey, these data were last monitored for the reference year 2016.

International data and comparisons of certain indicators are taken from the Eurostat database for digital economy and society, data of which are updated every year in December. Detailed information can be found at: <https://ec.europa.eu/eurostat/web/digital-economy-and-society/overview>.

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Tab. B1 Households in Czechia with a fixed telephone line

	Percentage		
	2005	2010	2016
All households	55,2	24,2	13,6
Type of household			
Households without dependent children	52,4	18,7	15,8
Households with dependent children	65,2	34,0	8,9
Economic status of the head of a household			
Employee	50,7	18,8	9,8
Self-employed	56,4	25,2	14,1
Pensioner	65,2	34,0	19,7
Age of the head of a household (years)			
Below 30	20,5	4,1	1,5
30-39	40,4	10,0	3,4
40-49	56,6	20,6	7,6
50-59	61,4	25,7	13,9
60-69	64,8	28,1	15,4
70+	70,2	42,5	25,4

as a percentage of all households of a given type in a given year

Figure B1 Share of households with a fixed telephone line

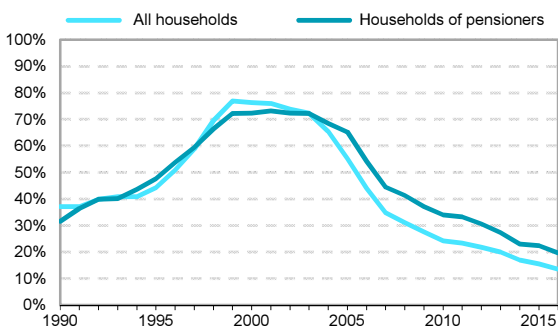
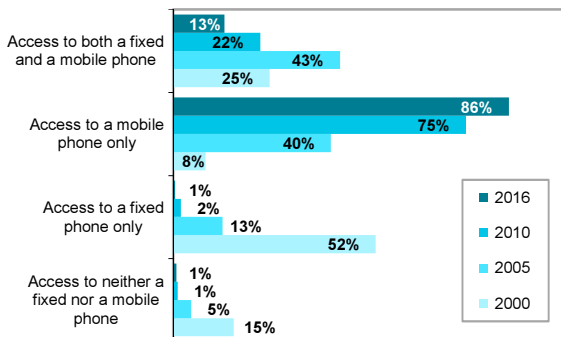


Figure B2 Households with an access to a telephone

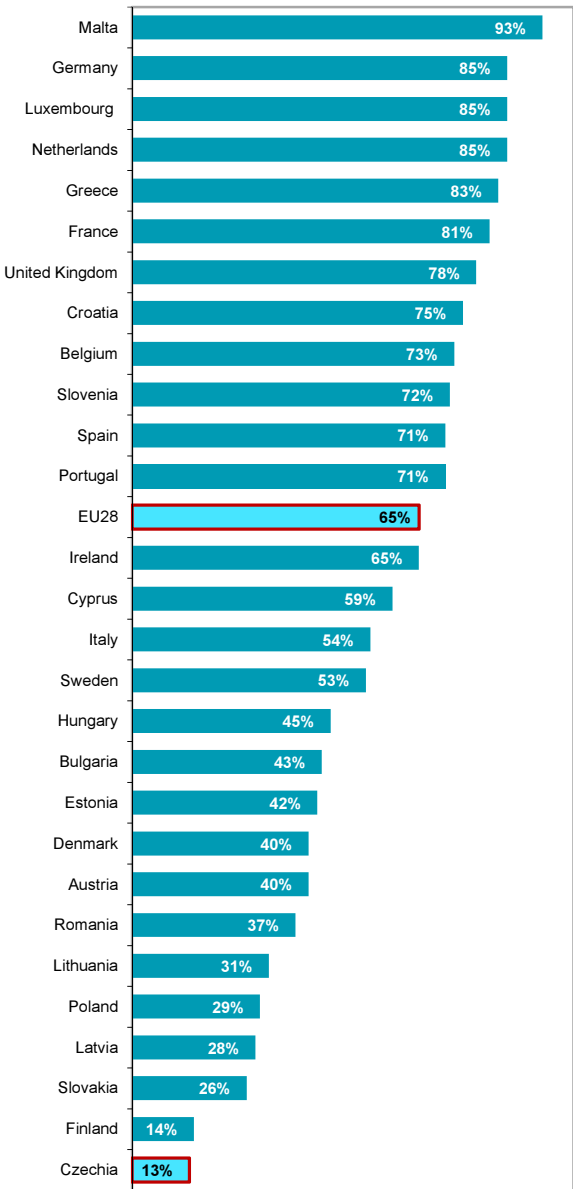


as a percentage of all households

Source: Czech Statistical Office, Household Budget Survey, 2018

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Figure B3 Households in EU countries with a fixed telephone line; 2015



as a percentage of all households in a given country

Source: European Commission, 2016

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Tab. B2 Households in Czechia with a mobile phone

Number of devices per one household member*

	2005	2010	2016
All households	0,68	0,94	0,99
Type of household			
Households without dependent children	.	0,95	1,04
Households with dependent children	.	0,93	0,94
Economic status of the head of a household			
Employee	0,73	0,98	1,01
Self-employed	0,70	0,95	1,00
Pensioner	0,47	0,86	0,95
Household income group			
The lowest income group (first quintile)	.	0,86	0,88
Second quintile income group	.	0,89	0,96
Third quintile income group	.	0,93	0,97
Fourth quintile income group	.	0,98	1,05
The highest income group (fifth quintile)	.	1,08	1,16

* only individuals aged 6+ years living in a given type of household

Figure B4 Households and mobile phones

- No. of devices per one member* in all households (HHs)
- No. of devices per one member* in HHs of pensioners
- ◆ Percentage of all HHs with a mobile phone
- ▲ Percentage of HHs of pensioners with a mobile phone

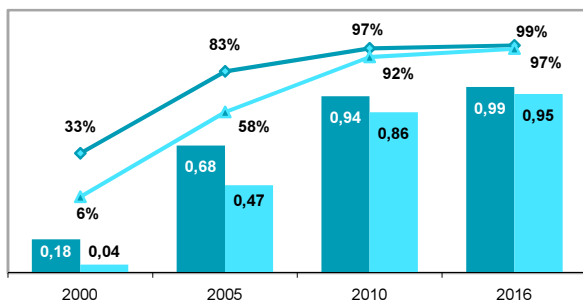
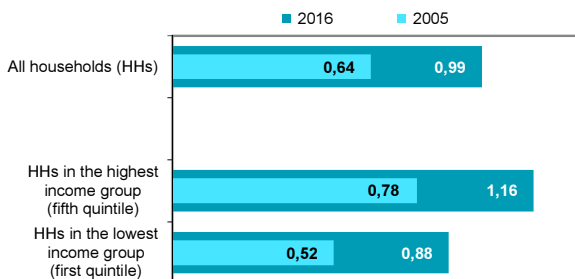


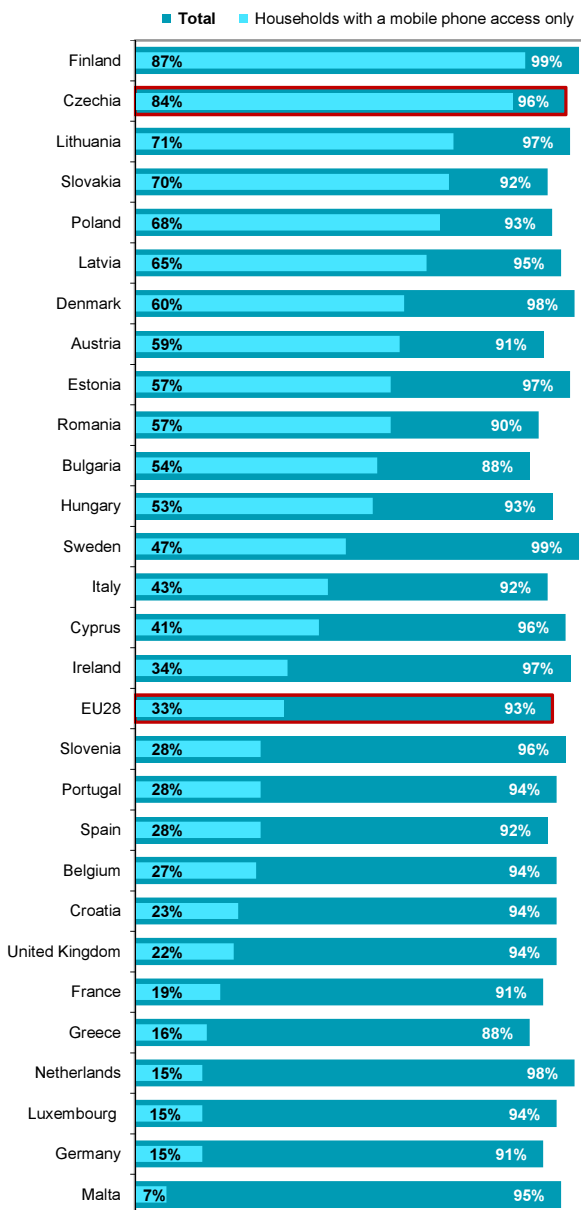
Figure B5 Mobile phones in households by HH income
(number of devices per one household member*)



* only individuals aged 6+ years living in a given type of household

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Figure B6 Households in EU countries with a mobile phone; 2015



as a percentage of all households in a given country

Source: European Commission, 2016

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Tab. B3 Households in Czechia with a computer

	Percentage		
	2015	2017	2018
All households (HHs)	73,1	76,3	78,4
HHs with at least 1 member younger than 75 years	78,9	82,2	84,0
Type of household			
Households (HHs) with no children, total	65,1	69,8	71,6
HHs of persons aged up to 40 years	93,0	94,5	94,6
HHs of persons aged 65+ years	24,9	32,3	37,6
Households with children	93,8	94,4	95,8
Household income group			
The lowest income group (first quartile)	34,3	41,4	44,1
Second quartile income group	57,2	70,0	76,4
Third quartile income group	85,7	93,7	94,7
The highest income group (fourth quartile)	96,7	98,5	98,2

as a percentage of all households of a given type

Figure B7 Households with a computer

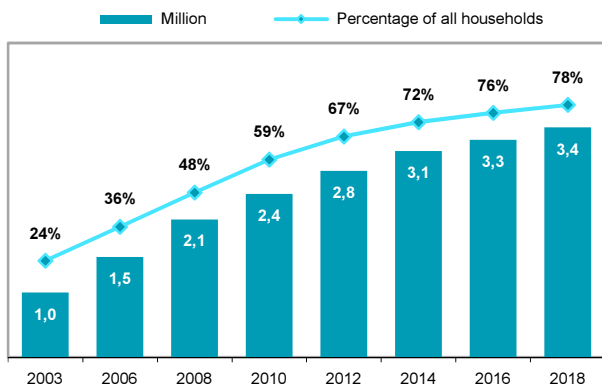
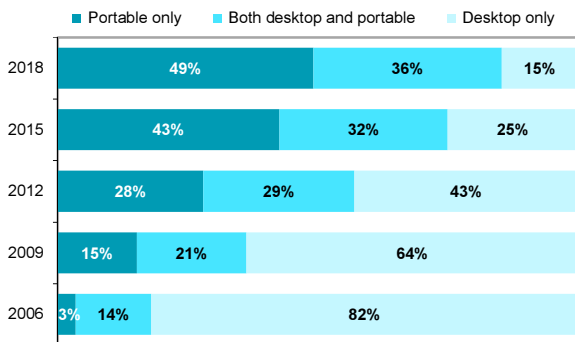


Figure B8 Households with a computer by type of device



as a percentage of all households with a computer at home in a given year

Source: Czech Statistical Office, ICT use survey in households, 2019

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Tab. B4 Computers used in Czech households; 2018

	Percentage		
	Desktop	Laptop	Tablet
All households (HHs)	39,9	61,4	32,3
HHs with at least 1 member younger than 75 years	42,4	66,5	35,1
Type of household			
Households (HHs) with no children, total	36,4	53,7	23,5
HHs of persons aged up to 40 years	26,7	84,0	37,4
HHs of persons aged 65+ years	22,0	18,1	6,3
Households with children	48,7	81,2	55,1
Household income group			
The lowest income group (first quartile)	19,4	27,2	10,4
Second quartile income group	32,6	53,7	24,4
Third quartile income group	47,1	76,8	41,1
The highest income group (fourth quartile)	60,3	87,6	53,4

as a percentage of all households of a given type

Figure B9 Households with a laptop or a tablet

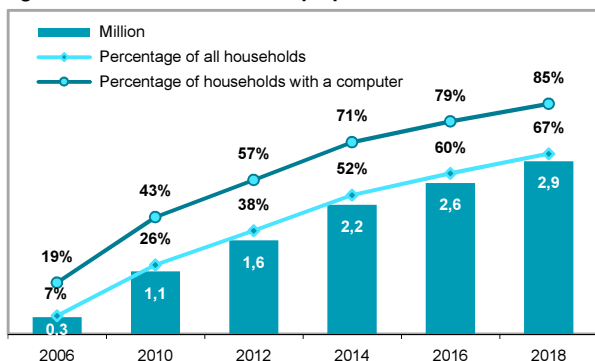
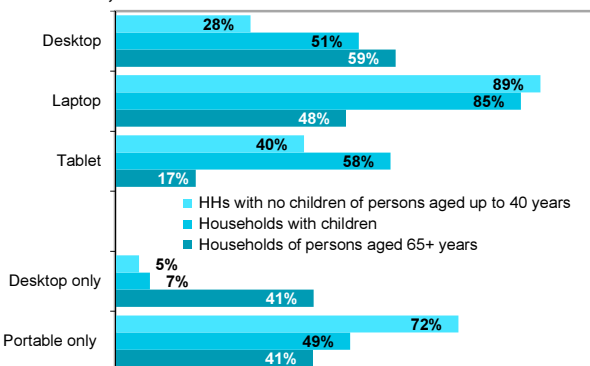


Figure B10 Computers used at home by different type of households; 2018



as a percentage of all households of a given type with a computer

Source: Czech Statistical Office, ICT use survey in households, 2019

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Tab. B5 Households in Czechia with the Internet

	Percentage		
	2015	2017	2018
All households (HHs)	73,1	77,2	80,5
HHs with at least 1 member younger than 75 years	79,0	83,2	86,4
Type of household (HH)			
Households with no children, total	65,2	70,5	73,8
HHs of persons aged up to 40 years	94,7	96,8	97,7
HHs of persons aged 65+ years	24,2	31,1	37,4
Households with children	93,6	95,9	97,8
Household income group			
The lowest income group (first quartile)	33,8	42,6	47,1
Second quartile income group	57,2	70,7	78,8
Third quartile income group	85,8	93,9	96,5
The highest income group (fourth quartile)	96,8	99,3	99,5

as a percentage of all households of a given type

Figure B11 Households with the Internet

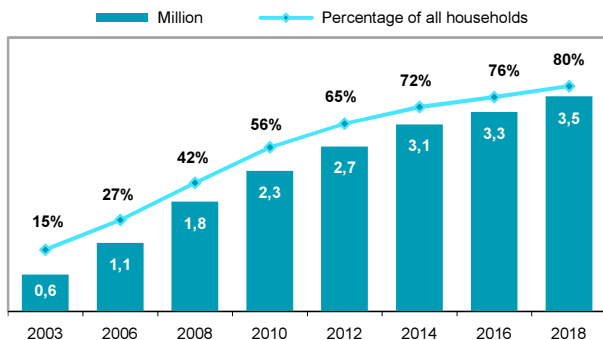
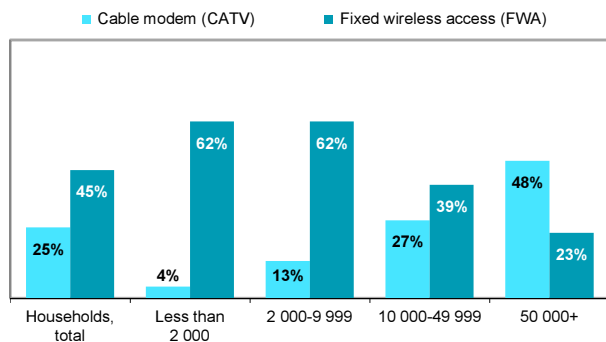


Figure B12 Households using a cable modem and a fixed wireless connection to access the Internet by municipality size (population); 2018

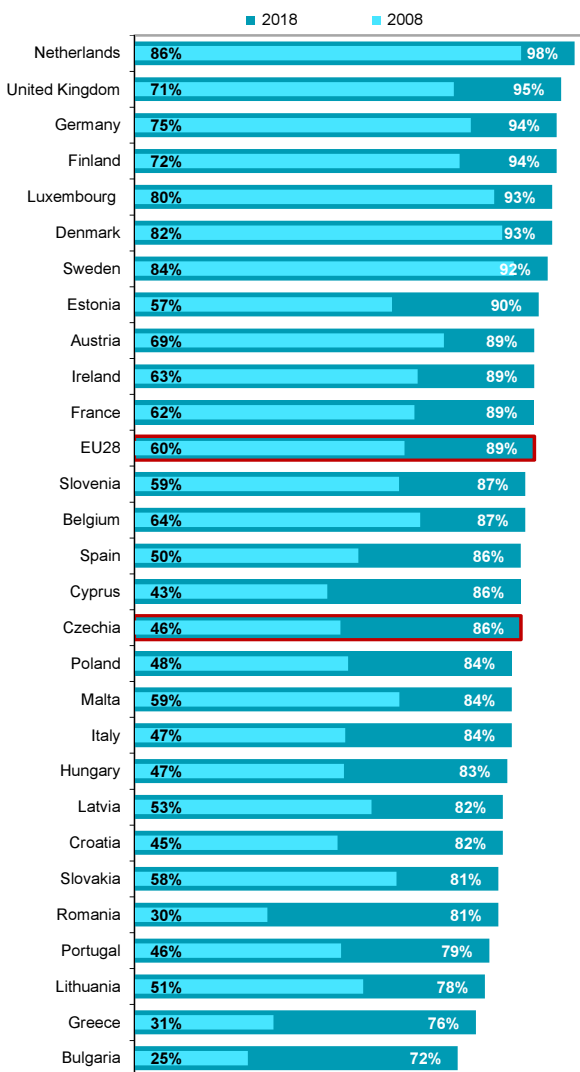


as a percentage of households with the Internet in the given municipality size

Source: Czech Statistical Office, ICT use survey in households, 2019

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Figure B13 Households in EU countries with the Internet



Note: Households with the Internet shall mean households, which at the time of the survey stated that at least one of the household members uses the Internet at home. It does not matter what type of device is used for the Internet connection or what type of connection it is.

as a percentage of all households in a given country where at least one member is younger than 75 years

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Tab. B6 Households in Czechia not using the Internet

	Percentage		
	2015	2017	2018
All households (HHs)	26,9	22,8	19,5
HHs with at least 1 member younger than 75 years	21,0	16,8	13,6
Type of household			
Households (HHs) with no children, total	34,8	29,5	26,2
HHs of persons aged up to 40 years	5,3	3,2	2,3
HHs of persons aged 65+ years	75,8	68,9	62,6
Households with children	6,4	4,1	2,2
Household income group			
The lowest income group (first quartile)	66,2	57,4	52,9
Second quartile income group	42,8	29,3	21,2
Third quartile income group	14,2	6,1	3,5
The highest income group (fourth quartile)	3,2	0,7	0,5

as a percentage of all households of a given type

Figure B14 Households not using the Internet

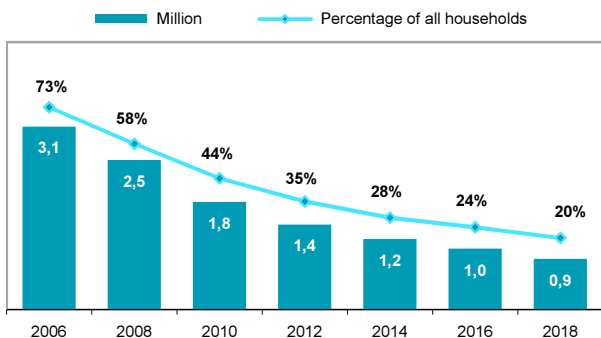
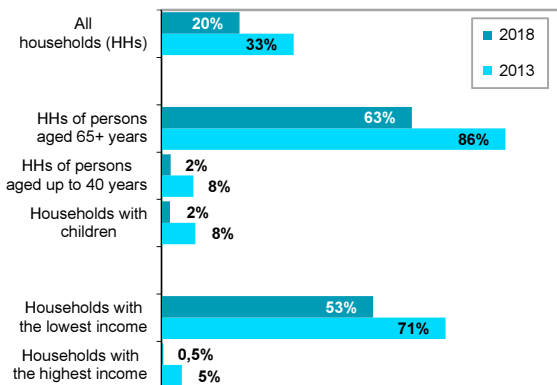


Figure B15 Households not using the Internet by their type

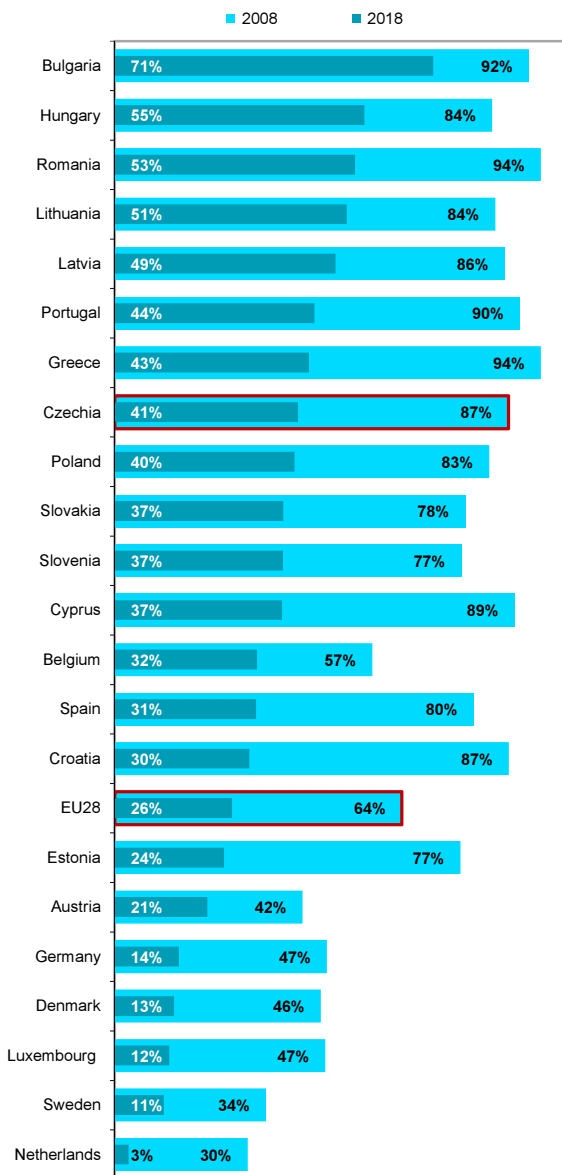


as a percentage of all households of a given type

Source: Czech Statistical Office, ICT use survey in households, 2019

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Figure B16 Low income households in EU countries not using the Internet



as a percentage of all low income households (HHs in the first quartile income group) in a given country where at least one member is younger than 75 years

Source: Eurostat, 2019

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Tab. B7 Households in Czechia using a WiFi router at home

	Percentage		
	2015	2017	2018
All households (HHs)	47,7	56,6	62,7
HHs with at least 1 member younger than 75 years	52,0	61,7	67,9
Type of household (HH)			
Households with no children, total	39,7	49,2	54,6
HHs of persons aged up to 40 years	64,1	75,2	79,2
HHs of persons aged 65+ years	8,8	14,7	19,1
Households with children	68,4	77,5	83,5
Household income group			
The lowest income group (first quartile)	13,5	22,3	28,5
Second quartile income group	28,7	48,7	54,4
Third quartile income group	53,4	77,4	78,0
The highest income group (fourth quartile)	76,8	89,4	89,7

as a percentage of all households of a given type in a given year

Figure B17 Households using a WiFi router at home

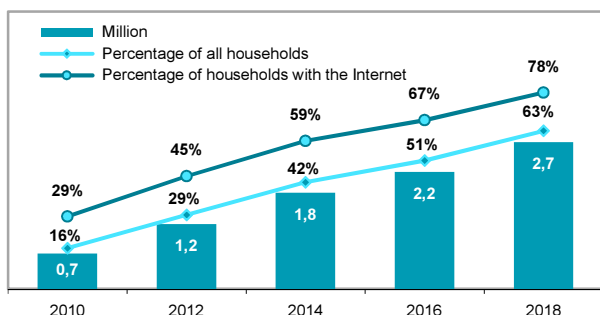
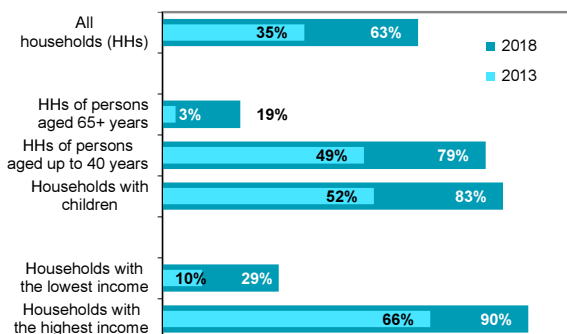


Figure B18 Households using a WiFi router by HH type



as a percentage of all households of a given type

A WiFi router is a device that provides a wireless access to the Internet and enables persons in the given household to get connected to the Internet from multiple devices at the same time and also from any location, which is within the wireless internet signal provided by the WiFi router.