

B Households and digital technologies

The Czech Statistical Office (CZSO) has been monitoring data on penetration of selected information and communication technologies in Czech households by means of a separate annual statistical survey named **Sample Survey on the ICT Use in Households and by Individuals**. The first (pilot) survey was carried out in 2002.

The survey applies the method of personal interviews with the use of personal computer in a sample of around 10 000 individuals aged 16+ years in approx. 6 000 households. The survey has been carried out in accord with the **Regulation (EC) No 2019/1700** of the European Parliament and of the Council. This allows obtaining of internationally comparable data within the EU.

Notes

The **Reference Period** is the 2nd Q of the monitored year for Czechia.

Income quintiles: Households were divided into five groups (quintiles) according to the amount of net income per person in the household.

Comparability of the CZSO and Eurostat Data:

Data published by Eurostat for Czech households slightly differ from data published by the CZSO. This difference is due to the fact that Eurostat includes solely households with at least one person aged 16–74 years. The CZSO publishes data for all households.

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. Detail information can be found at:

https://bit.ly/Comprehensive_database

Definitions (sorted alphabetically)

- A **WiFi router** is a device that enables to distribute the internet signal inside the household's premises, i.e. it enables wireless connection of more devices at the same time and from different places.
- **Households of persons older than 65+ years** shall mean households in which merely persons aged 65+ years live.
- **Households of persons up to 40 years (no children)** mean households where only persons aged up to 40 years without children live.
- **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 at home (desktop, laptop, or tablet). *Type of its ownership is not relevant. It could be own one, company one, or borrowed one.*
- **Households with children up to 15 years** shall mean households with at least one child younger than 16 years of age.
- **Households with the internet** shall mean households, which at the time of survey stated, that at least one of the household members used the internet at home, no matter what type is the device used or the way of connection. The internet could be used on a computer, a tablet, a mobile phone, a smart TV, a game console, etc.
- **Smart household appliances** include e.g. smart coffee makers, refrigerators, ovens, vacuum cleaners, washing machines, dryers, but also smart garden equipment such as smart lawn mowers.
- **Smart devices for energy management** include e.g. smart thermostats, consumption meters, lights, electrical outlets, garden irrigation systems, windows or window blinds.
- **Smart home security devices** include, for example, smart home alarms, smoke detectors, security cameras, locks.
- **The Internet of Things (IoT)** refers to devices that are wirelessly connected to other devices and are able to communicate with each other. Users of the IoT devices control them most often via mobile applications or via web interface.

Detailed information on methodology and data from the survey, including international comparison, can be found (in Czech language only) at:

https://www.czso.cz/csu/czso/domacnosti_a_jednotlivci

B Households and digital technologies

Table B1 Households in Czechia with a mobile phone; 2022

	Percentage		
	Total	Smart-phone	Mobile phone without operating system
Households (HHs), total	99,5	82,7	28,7
HHs with children up to 15 years	100,0	99,2	6,8
HHs of persons up to 40 years (without children)	100,0	97,9	3,0
HHs of persons older than 65 years	98,5	42,2	67,2
Other households without children	99,8	92,7	25,7
Household income group			
The lowest income group (first quintile)	98,4	55,1	51,6
Second quintile income group	99,6	72,2	41,6
Third quintile income group	99,7	89,6	26,0
Fourth quintile income group	100,0	97,3	16,3
The highest income group (fifth quintile)	100,0	98,9	8,1

as a percentage of all households of a given type

Figure B1 Households with a smartphone

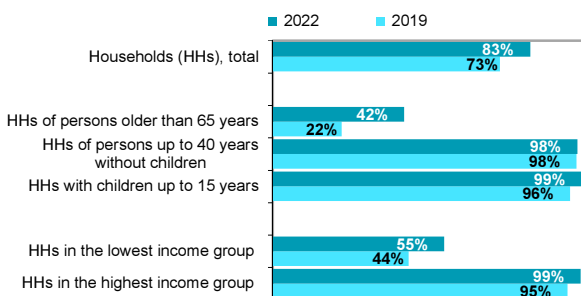


Table B2 Households in Czechia using a Smart TV

	Percentage	
	2016	2022
Households (HHs), total	11,5	43,8
HHs with children up to 15 years	19,8	61,8
HHs of persons up to 40 years (without children)	14,8	59,6
HHs of persons older than 65 years	0,5	10,7
Other households without children	10,4	48,3
Household income group		
The lowest income group (first quintile)	1,1	19,4
Second quintile income group	4,6	28,7
Third quintile income group	11,3	44,3
Fourth quintile income group	15,3	56,4
The highest income group (fifth quintile)	24,7	70,0

as a percentage of all households of a given type

Source: Czech Statistical Office, ICT use survey in households

B Households and digital technologies

Table B3 Households in Czechia with a computer

	Percentage		
	2015	2020	2022
Households (HHs), total	73,1	78,7	80,8
HHs with children up to 15 years	93,8	95,8	96,3
HHs of persons up to 40 years (without children)	93,0	94,2	94,1
HHs of persons older than 65 years	24,9	39,9	45,3
Other households without children	76,8	85,7	88,9
Household income group			
The lowest income group (first quintile)	.	44,8	52,4
Second quintile income group	.	69,3	70,6
Third quintile income group	.	87,0	87,9
Fourth quintile income group	.	94,2	94,6
The highest income group (fifth quintile)	.	98,0	98,3

as a percentage of all households of a given type

Figure B2 Households with a computer

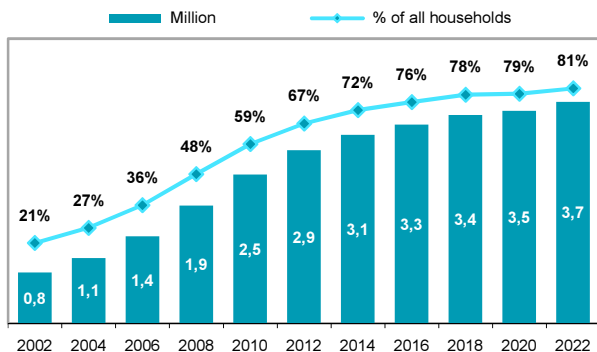


Table B4 Computers used by households in Czechia; 2022

	Percentage		
	Desktop	Laptop	Tablet
Households (HHs), total	32,8	66,5	35,3
HHs with children up to 15 years	37,6	87,7	61,5
HHs of persons up to 40 years (without children)	27,4	82,0	38,5
HHs of persons older than 65 years	21,7	25,9	7,6
Other households without children	37,6	73,5	34,4
Household income group			
The lowest income group (first quintile)	17,8	39,1	17,2
Second quintile income group	30,8	49,9	23,9
Third quintile income group	34,7	73,4	37,0
Fourth quintile income group	38,4	79,7	43,5
The highest income group (fifth quintile)	42,4	90,3	54,8

as a percentage of all households of a given type

Source: Czech Statistical Office, ICT use survey in households

B Households and digital technologies

Table B5 Households in Czechia with internet access

	Percentage		
	2015	2020	2022
Households (HHs), total	73,1	81,7	85,4
HHs with children up to 15 years	93,6	98,5	99,7
HHs of persons up to 40 years (without children)	94,7	97,8	99,7
HHs of persons older than 65 years	24,2	41,3	49,4
Other households without children	77,0	89,7	94,3
Household income group			
The lowest income group (first quintile)	.	50,4	59,1
Second quintile income group	.	72,9	77,3
Third quintile income group	.	90,4	92,5
Fourth quintile income group	.	95,8	98,4
The highest income group (fifth quintile)	.	98,8	99,5

as a percentage of all households of a given type

Figure B3 Households with internet access

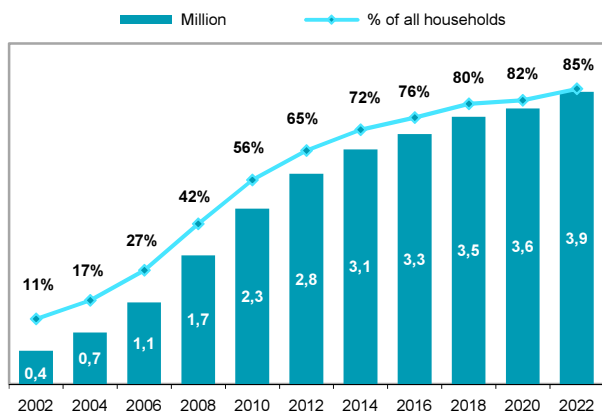


Table B6 Households in Czechia using a WiFi router

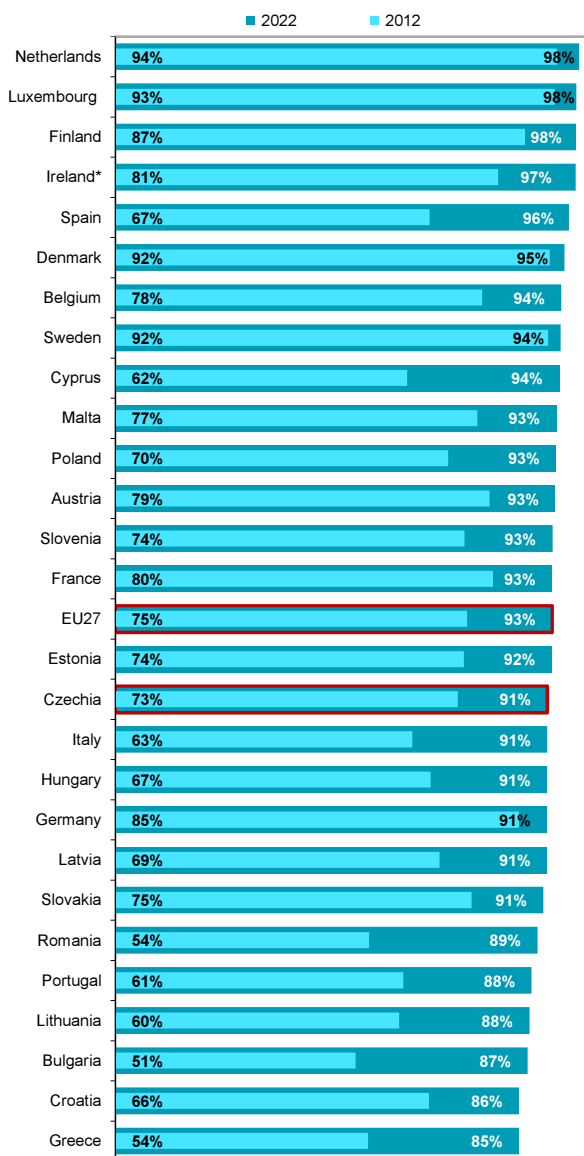
	Percentage		
	2015	2020	2022
Households (HHs), total	47,7	68,3	77,1
HHs with children up to 15 years	68,4	89,2	95,4
HHs of persons up to 40 years (without children)	64,1	82,8	88,6
HHs of persons older than 65 years	8,8	25,9	39,2
Other households without children	48,2	75,2	85,3
Household income group			
The lowest income group (first quintile)	.	35,9	48,6
Second quintile income group	.	55,6	67,3
Third quintile income group	.	75,4	83,5
Fourth quintile income group	.	83,4	90,2
The highest income group (fifth quintile)	.	91,3	96,0

as a percentage of all households of a given type

Source: Czech Statistical Office, ICT use survey in households

B Households and digital technologies

Graf B4 Households in EU countries with internet access



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

* data for 2021

Source: Eurostat

B Households and digital technologies

Table B7 Households in Czechia using selected devices of the Internet of Things; 2022

	Percentage		
	Security devices	Energy management devices	Household appliances
Households (HHs), total	8,2	5,8	7,8
HHs with children up to 15 years	14,3	10,7	13,6
HHs of persons up to 40 years (without children)	7,2	8,9	14,6
HHs of persons older than 65 years	1,9	0,9	0,5
Other households without children	8,3	4,9	6,9
Household income group			
The lowest income group (first quintile)	0,8	0,7	1,2
Second quintile income group	2,0	1,7	2,6
Third quintile income group	7,2	3,1	7,2
Fourth quintile income group	11,1	8,9	12,0
The highest income group (fifth quintile)	19,8	14,6	15,9

as a percentage of all households of a given type

Figure B5 Households using smart home security devices

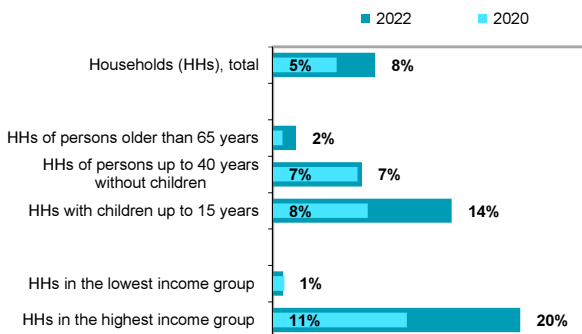
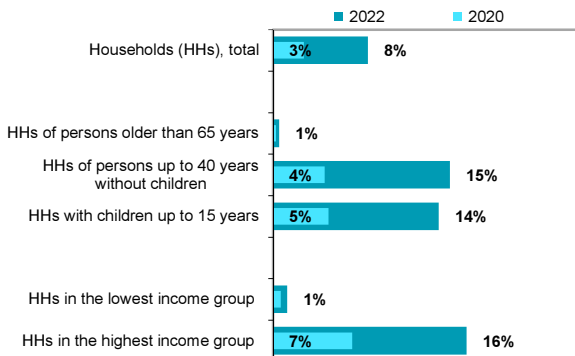


Figure B6 Households using smart home appliances



Source: Czech Statistical Office, ICT use survey in households