

B Households

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. The regulation allows obtaining of internationally comparable data.

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.).

Notes:

Reference period: 2nd quarter of a monitored year

Households with children: households with children up to 15 years

Income quartiles: Households were divided into four groups (quartiles) according to the size of household net income. In 2017, there were changes in the calculation of this breakdown, so the time series in this classification may not be fully comparable.

Data comparability with Eurostat database

Data for the Czech Republic published by Eurostat slightly differs 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 to 74. The CZSO publishes data for all households (without age restrictions).

Definitions:

- **Households with a computer** involve all households, which at the time of the survey stated, that at least one of the household members had access to a computer at home (business portable computers used at home were also included).
- **A computer** refers to a desktop computer or a portable computer (laptop or tablet). Smartphones are excluded.
- **Households with internet access** include all households, which at the time of survey stated, that at least one of the household members used the internet at home through any device at least sometimes.

Regional data can be found in chapter 18 of each **Regional yearbook**.

<https://www.czso.cz/csu/czso/regional-yearbooks>

The **Eurostat** comprehensive database for **Information society statistics** has been used for the international comparison. Data from this database was extracted in March 2018.

Household Budget Survey (HBS), which has been also regularly conducted by CZSO, serves as an additional source of information for data on households equipped with **landlines** and **mobile phones**, as well as data on households' **consumption expenditure on telecommunication services**. Telecommunication services include fixed phone and telefax services, mobile phone services and internet.

Households with dependent children: households with dependent children up to 26 years

International comparison on households with fixed and mobile phones was obtained from publicly available sources of EC: <https://ec.europa.eu/digital-single-market/en/digital-scoreboard>

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Tab. B1 Households with a fixed phone in the Czech Republic

%

	2014	2015	2016
Total	17,1	15,6	13,6
Household type:			
Households without dependent children	18,6	17,2	15,8
Households with dependent children	14,1	12,3	8,9
Economic status of the head of a household:			
Employee	13,1	11,0	9,8
Self-employed	19,2	17,1	14,1
Pensioner	23,0	22,4	19,7
Age of the head of a household:			
Untill 29 years	2,8	1,4	1,5
30 - 39 years	5,4	5,0	3,4
40 - 49 years	14,1	11,6	7,6
50 - 59 years	17,8	16,4	13,9
60 - 69 years	21,3	17,3	15,4
70 years and more	27,4	27,5	25,4

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

Figure B1 Households with a fixed phone

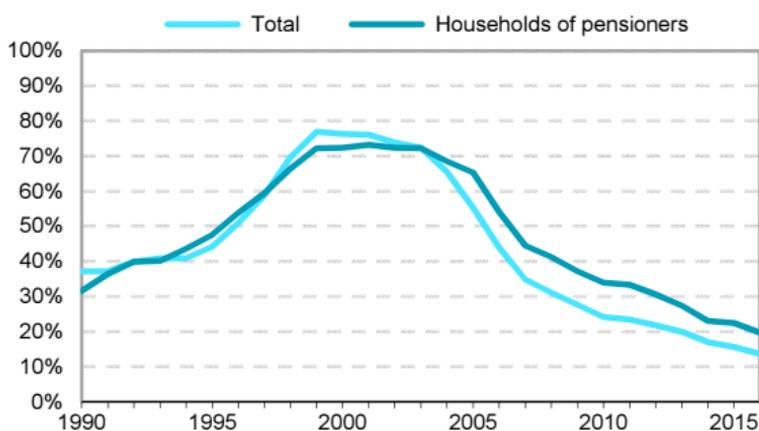
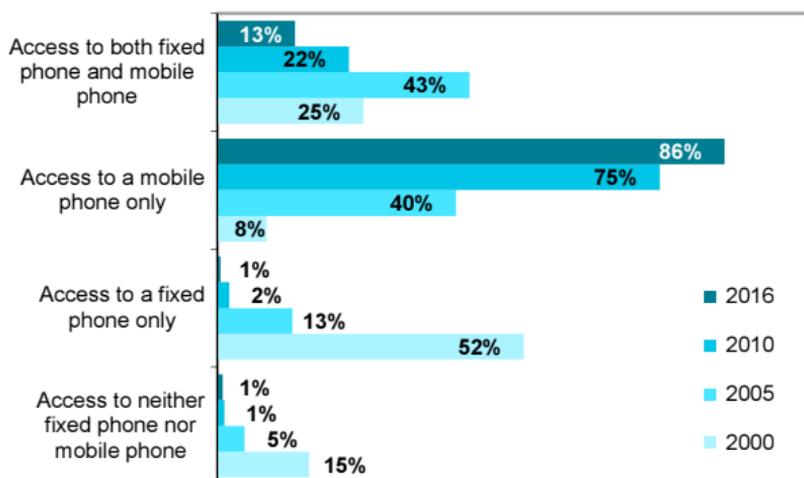


Figure B2 Households by access to a telephone

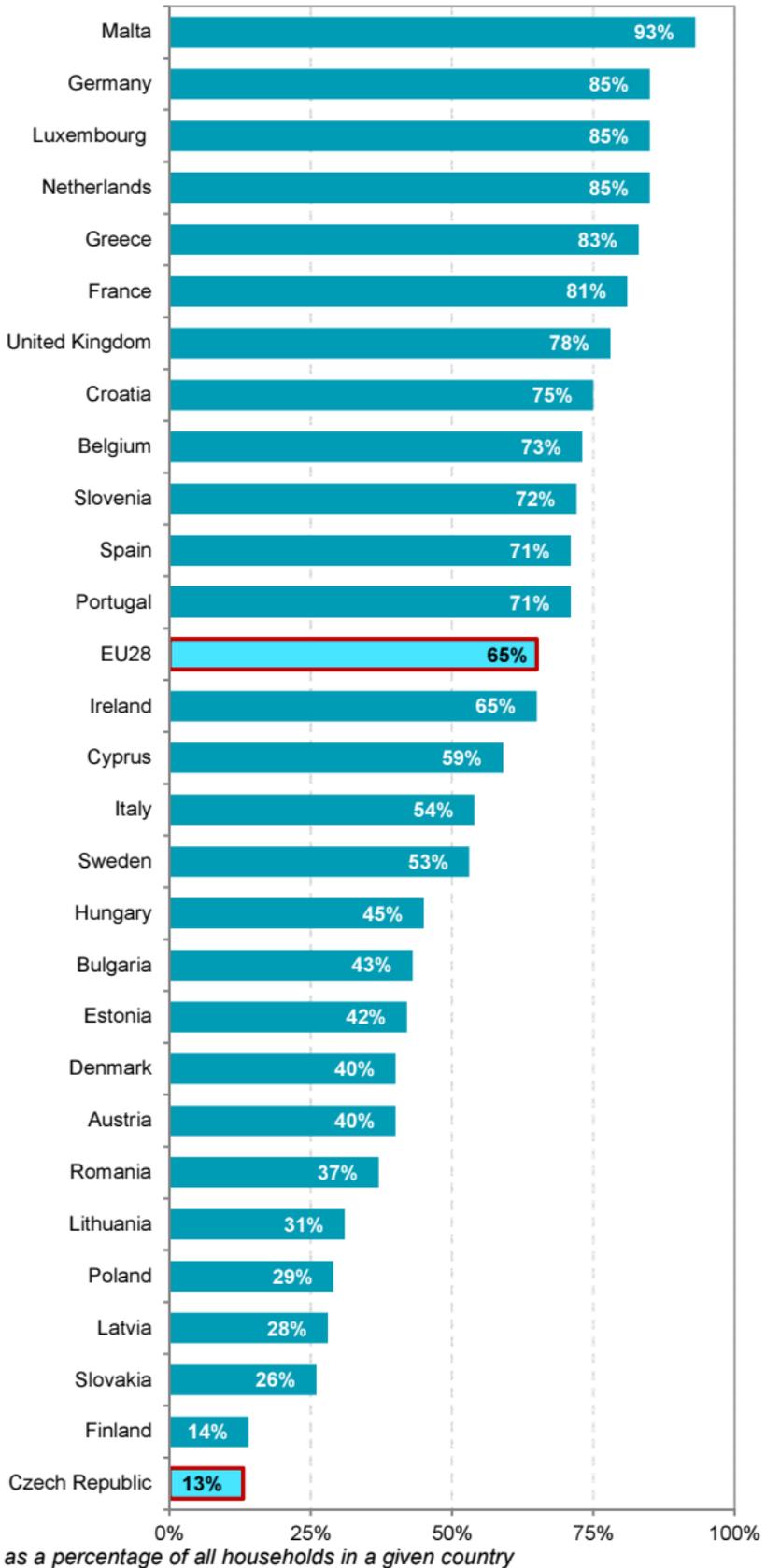


as a percentage of all households

Source: Czech Statistical Office, Household Budget Survey, 2018

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Figure B3 Households in EU countries with a fixed phone; 2015



Source: European Commission, 2016

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Tab. B2 Households with a mobile phone in the Czech Republic

Number of devices per one member of a household*

	2012	2014	2016
Total	0,96	0,98	0,99
Household (HH) type:			
Households without dependent children	1,00	1,03	1,04
Households with dependent children	0,93	0,93	0,94
Economic status of the head of household:			
Employee	0,99	0,99	1,01
Self-employed	0,97	0,97	1,00
Pensioner	0,90	0,96	0,95
Household income group:			
Lowest income group (first quintil)	0,86	0,89	0,88
Second quintil income group	0,92	0,94	0,96
Third quintil income group	0,97	0,98	0,97
Fourth quintil income group	1,02	1,03	1,05
Highest income group (fifth quintil)	1,11	1,13	1,16

* included were only members aged 6+ living in the given type of household

Figure B4 Mobile phones in households

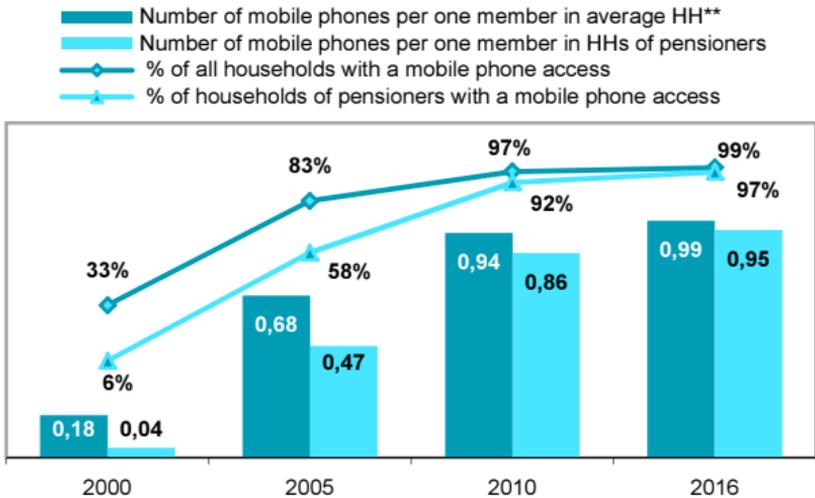
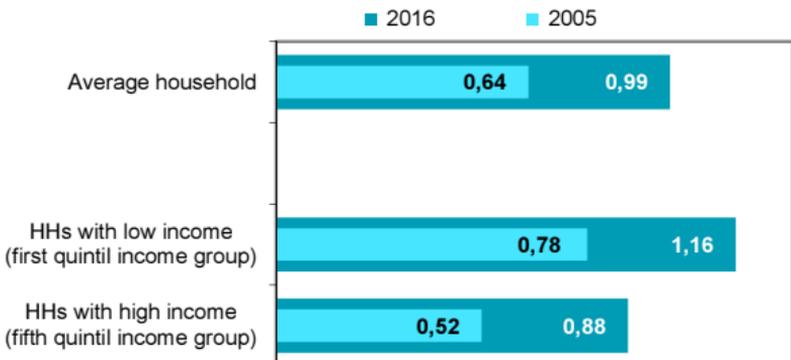


Figure B5 Number of mobile phones used in households**

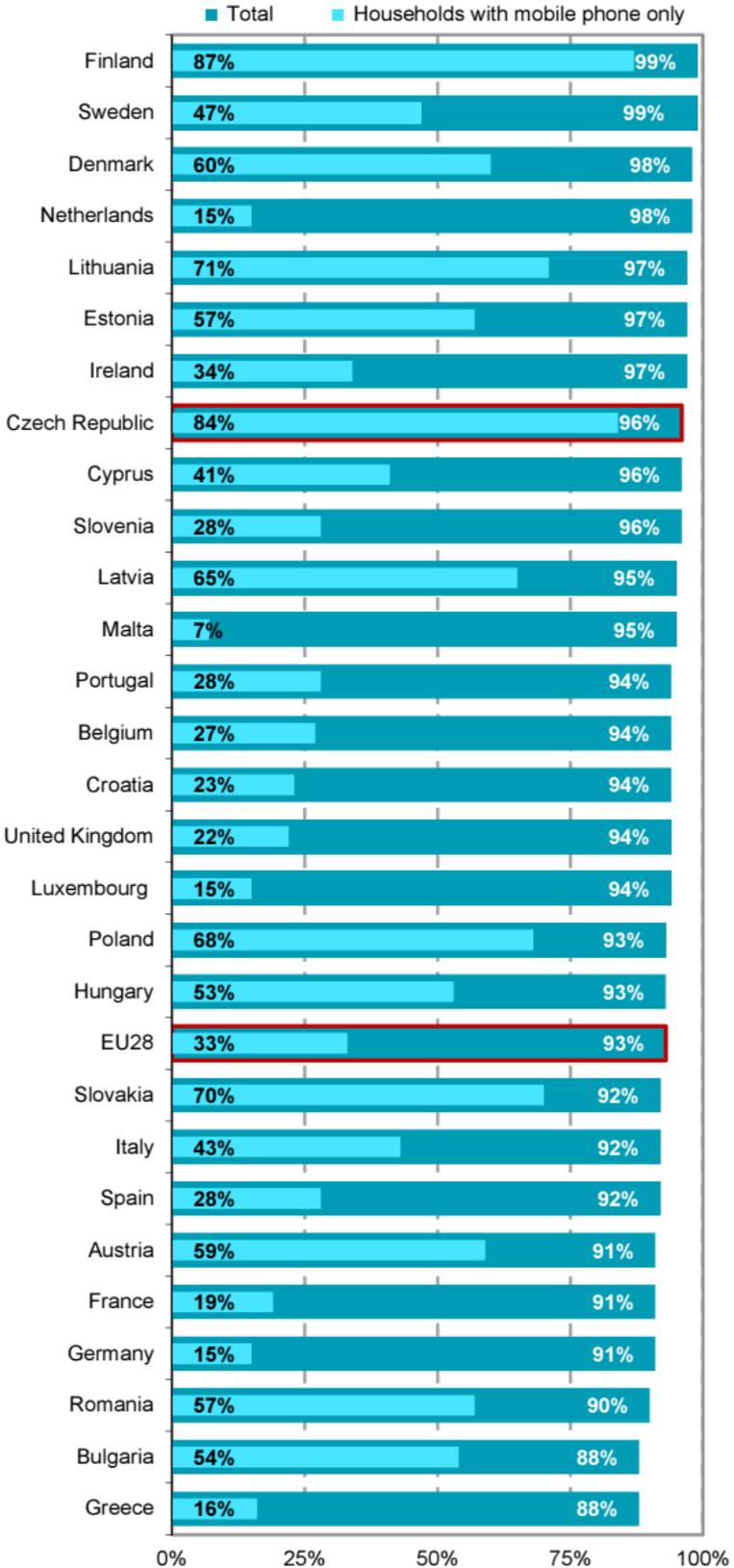


** per one member aged 6+ living in the given type of household

Source: Czech Statistical Office, Household Budget Survey, 2018

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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 consumption expenditure for telecommunication services in the Czech Republic

Annual averages per capita in CZK

	2012	2014	2016
Total	4 955	4 694	4 699
Service type:			
Fixed phone and telefax services	367	236	176
Mobile phone services	3 272	3 091	3 137
Internet	1 316	1 367	1 386
Household (HH) type:			
Households of pensioners	4 410	4 478	4 322
Households with head of HH under 29 years	6 125	5 578	5 961
Households with dependent children	4 360	4 062	3 994
Lowest income group (first quintil)	3 720	3 576	3 677
Highest income group (fifth quintil)	6 922	6 398	6 256

Figure B7 Households consumption expenditure for telecommunication services

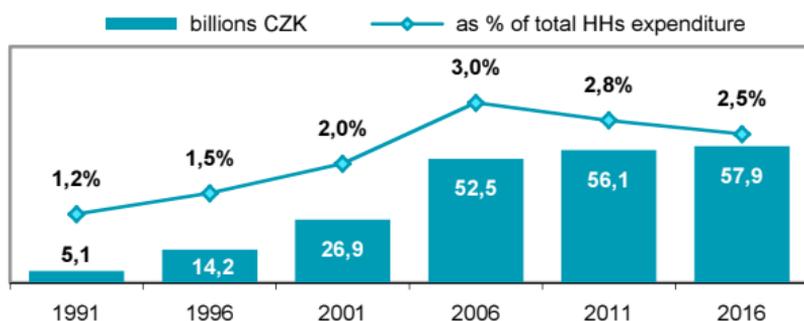
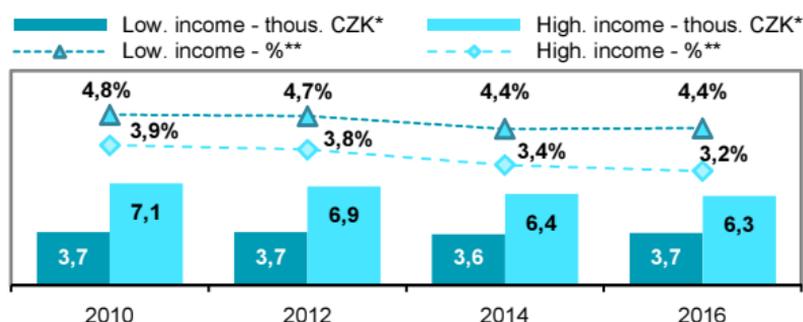


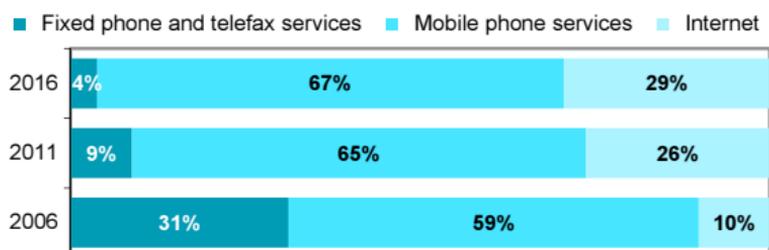
Figure B8 Consumption expenditure for telecommunication services of households in lowest and highest income group



* annual averages per capita in CZK

** as share of total consumption expenditures by type of households

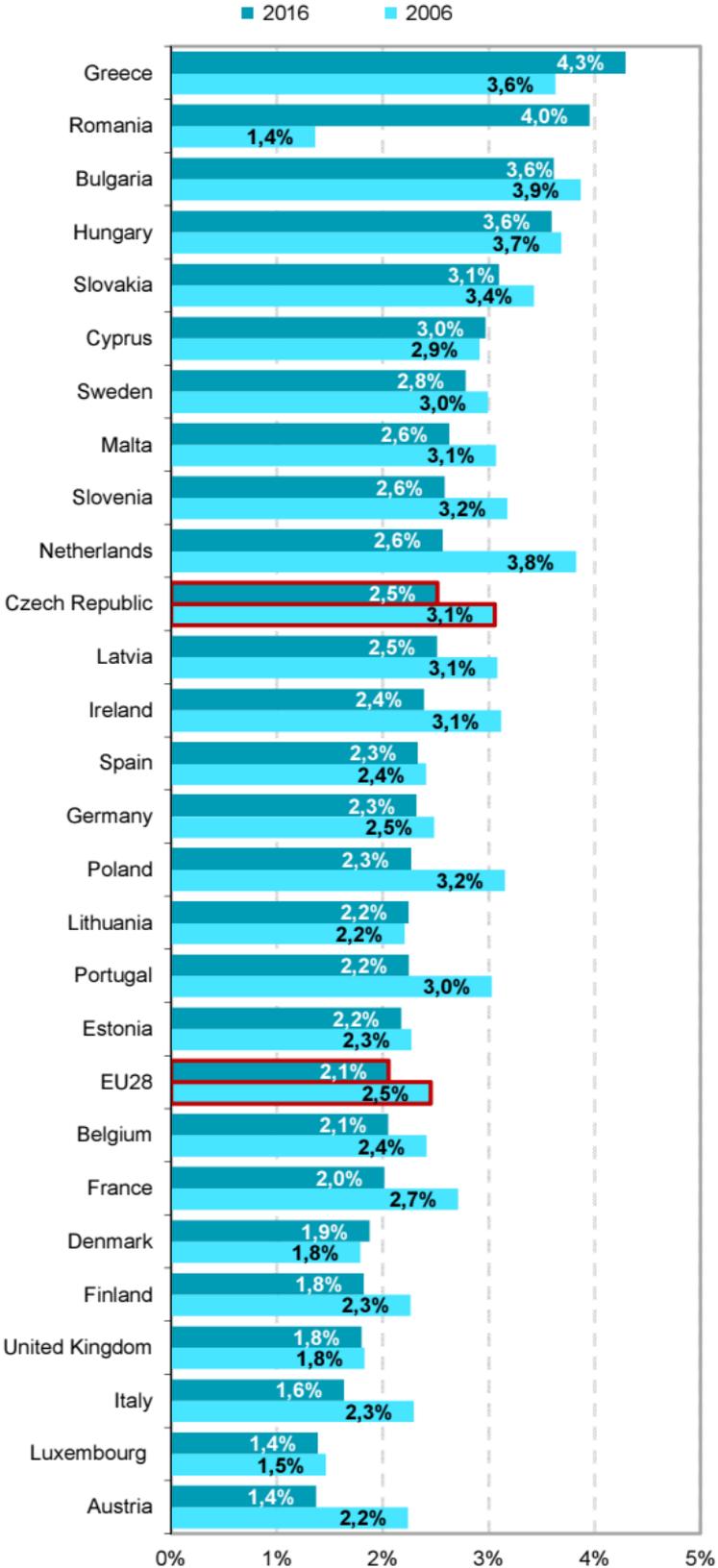
Figure B9 Households expenditure for different types of telecommunication services



Source: Czech Statistical Office, Household Budget Survey, 2018

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Figure B10 Households expenditure for telecommunication services in EU countries



as a percentage of total households expenditure in a given country and year

Source: Eurostat, 2018

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Tab. B4 Households with a computer in the Czech Republic

%

	2013	2015	2017
Total	68,1	73,1	76,3
Total (with at least one member younger than 75)	73,9	78,9	82,2
Household (HH) type:			
Households without children, total	58,8	65,1	69,8
all persons living in HHs are younger than 40	92,5	93,0	94,5
all persons living in HHs are older than 65	14,8	24,9	32,3
Households with children	92,3	93,8	94,4
Household income group:			
Lowest income group (first quartile)	30,4	34,3	41,4
Second quartile income group	52,4	57,2	70,0
Third quartile income group	87,6	85,7	93,7
Highest income group (fourth quartile)	95,5	96,7	98,5

as a percentage of all households of a given type

Figure B11 Households with a computer

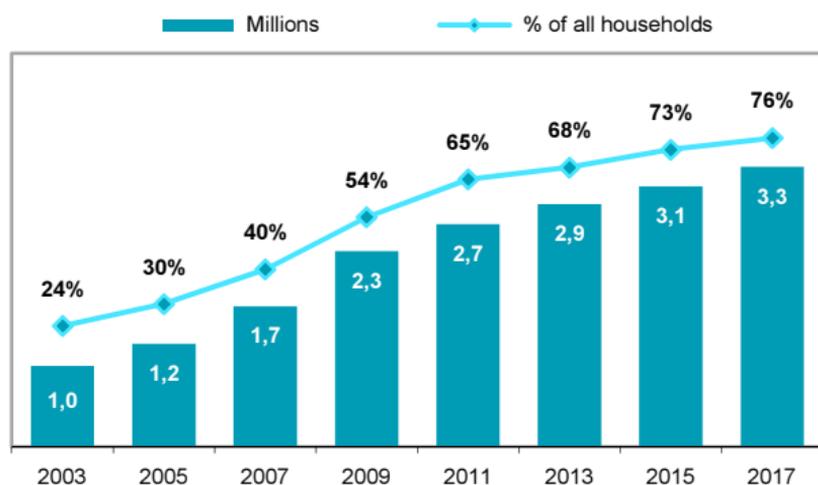
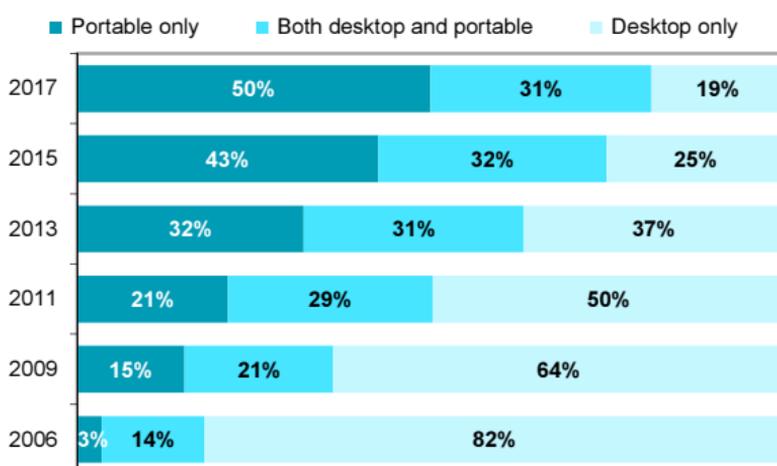


Figure B12 Types of computers used in households

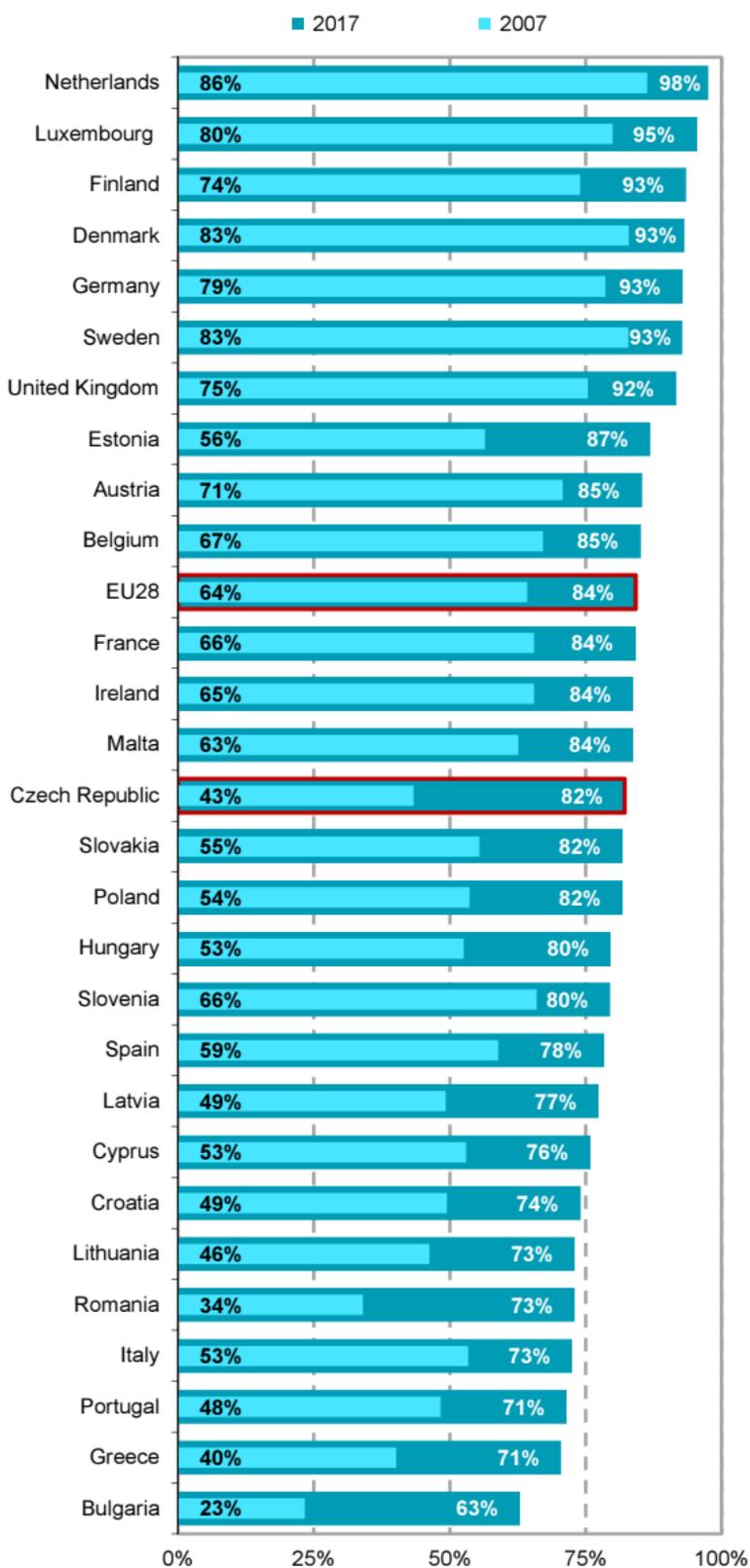


as a percentage of households with a computer

Source: Czech Statistical Office, ICT use survey in households, 2018

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Figure B13 Households in EU countries with a computer



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

B Households

Tab. B5 Households with a computer in the Czech Republic by its type; 2017

	%		
	Desktop	Laptop	Tablet
Total	38,2	57,7	23,9
Household (HH) type:			
Households without children, total	35,2	51,0	16,0
all persons living in HHs are younger than 40	27,3	82,6	22,4
all persons living in HHs are older than 65	18,0	16,1	3,3
Households with children	46,6	76,4	45,8
Household income group:			
Lowest income group (first quartile)	19,2	24,5	6,2
Second quartile income group	32,1	45,6	13,5
Third quartile income group	42,6	73,3	29,8
Highest income group (fourth quartile)	57,2	85,0	45,0

as a percentage of all households of a given type

Figure B14 Households with a portable computer (laptop or tablet)

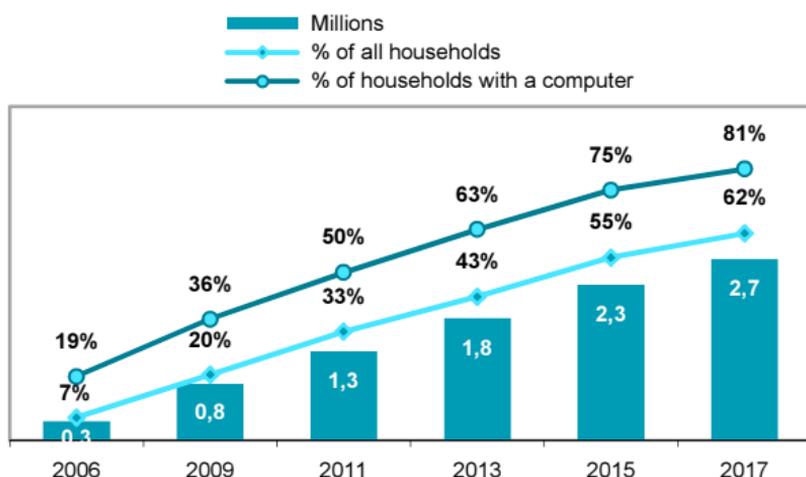
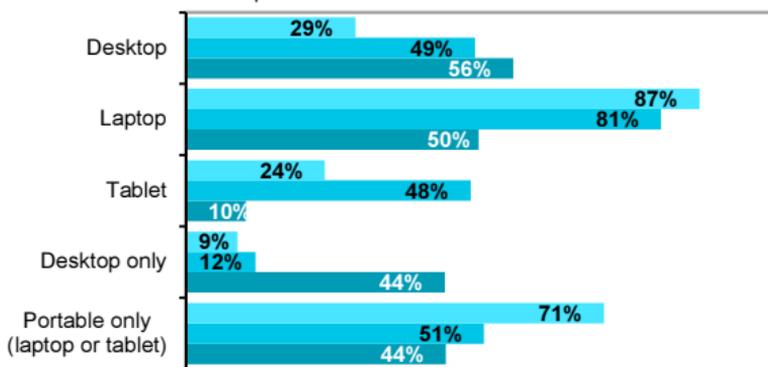


Figure B15 Type of computers used in selected types of households; 2017

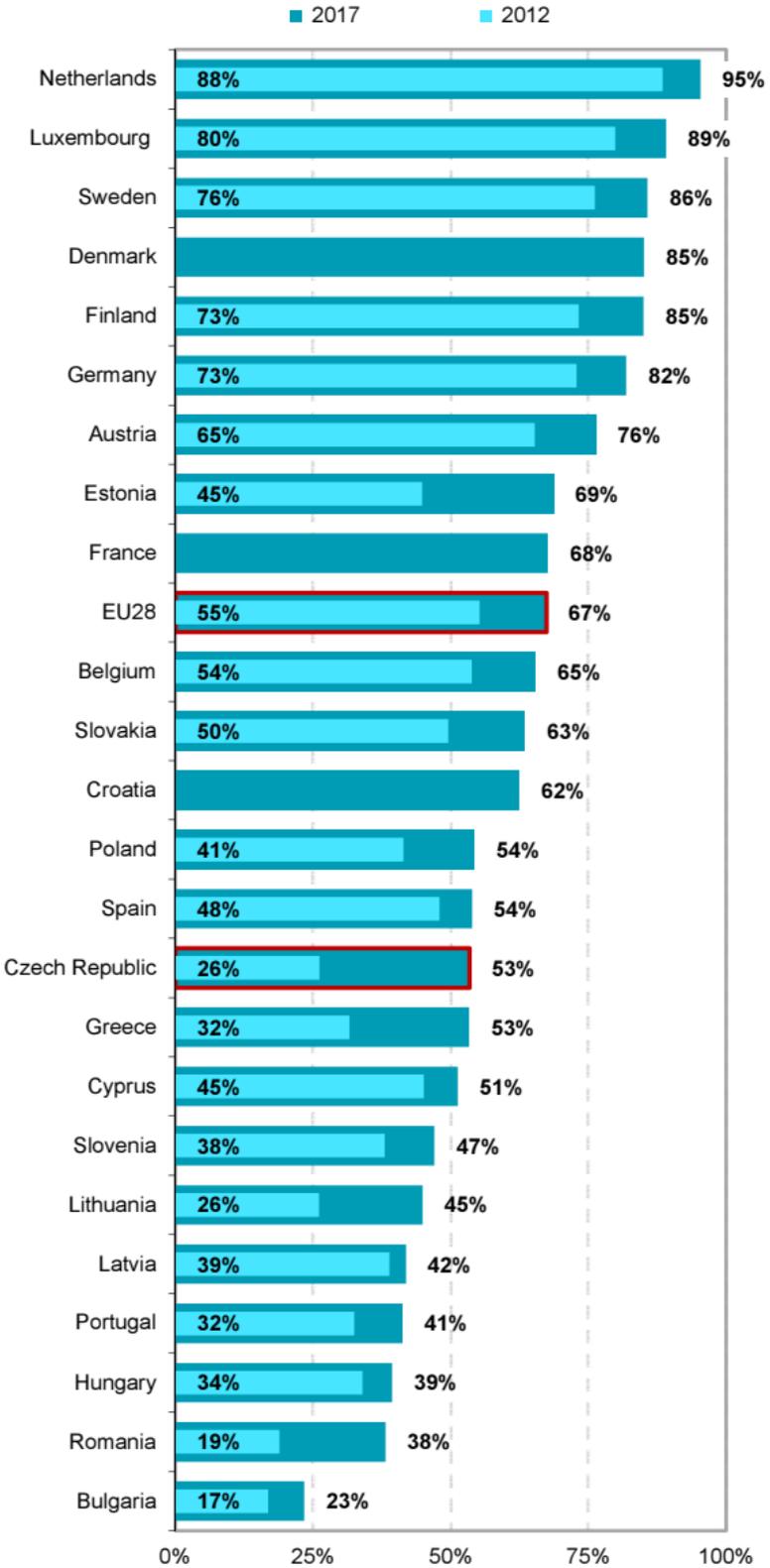
- HHs without dependent children where all persons are younger than 40
- Households with children
- Households where all persons are older than 65



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

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Figure B16 Low income households (first quartile) in EU countries with a computer



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

Source: Eurostat, 2018

B Households

Tab. B6 Households with internet access in the Czech Republic

	%		
	2013	2015	2017
Total	67,0	73,1	77,2
Total (with at least one member younger than 75)	72,6	79,0	83,2
Household (HH) type:			
Households without children, total	57,4	65,2	70,5
all persons living in HHs are younger than 40	92,0	94,7	96,8
all persons living in HHs are older than 65	14,0	24,2	31,1
Households with children	91,5	93,6	95,9
Household income group:			
Lowest income group (first quartile)	29,0	33,8	42,6
Second quartile income group	50,5	57,2	70,7
Third quartile income group	86,4	85,8	93,9
Highest income group (fourth quartile)	94,9	96,8	99,3

as a percentage of all households of a given type

Figure B17 Households with access to the internet

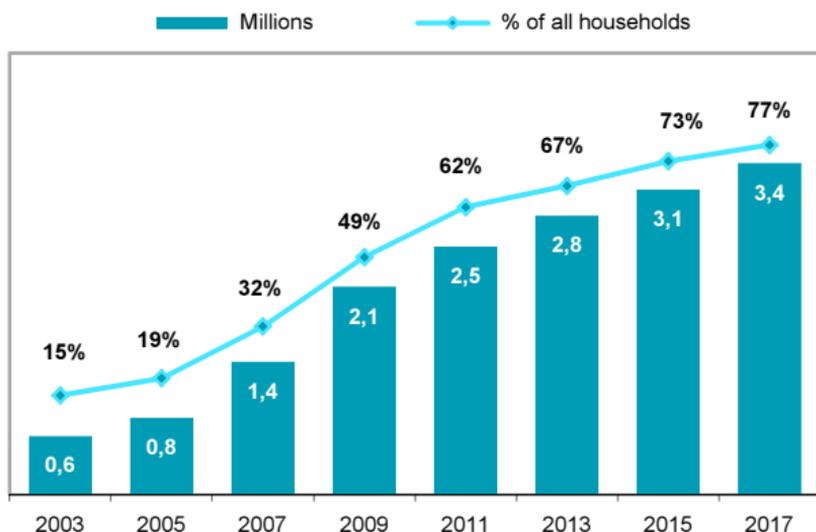
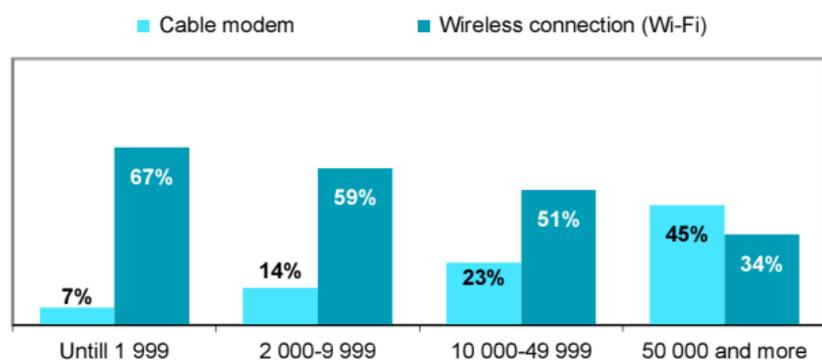


Figure B18 internet connection used in households by size of their municipalities (number of inhabitants); 2017

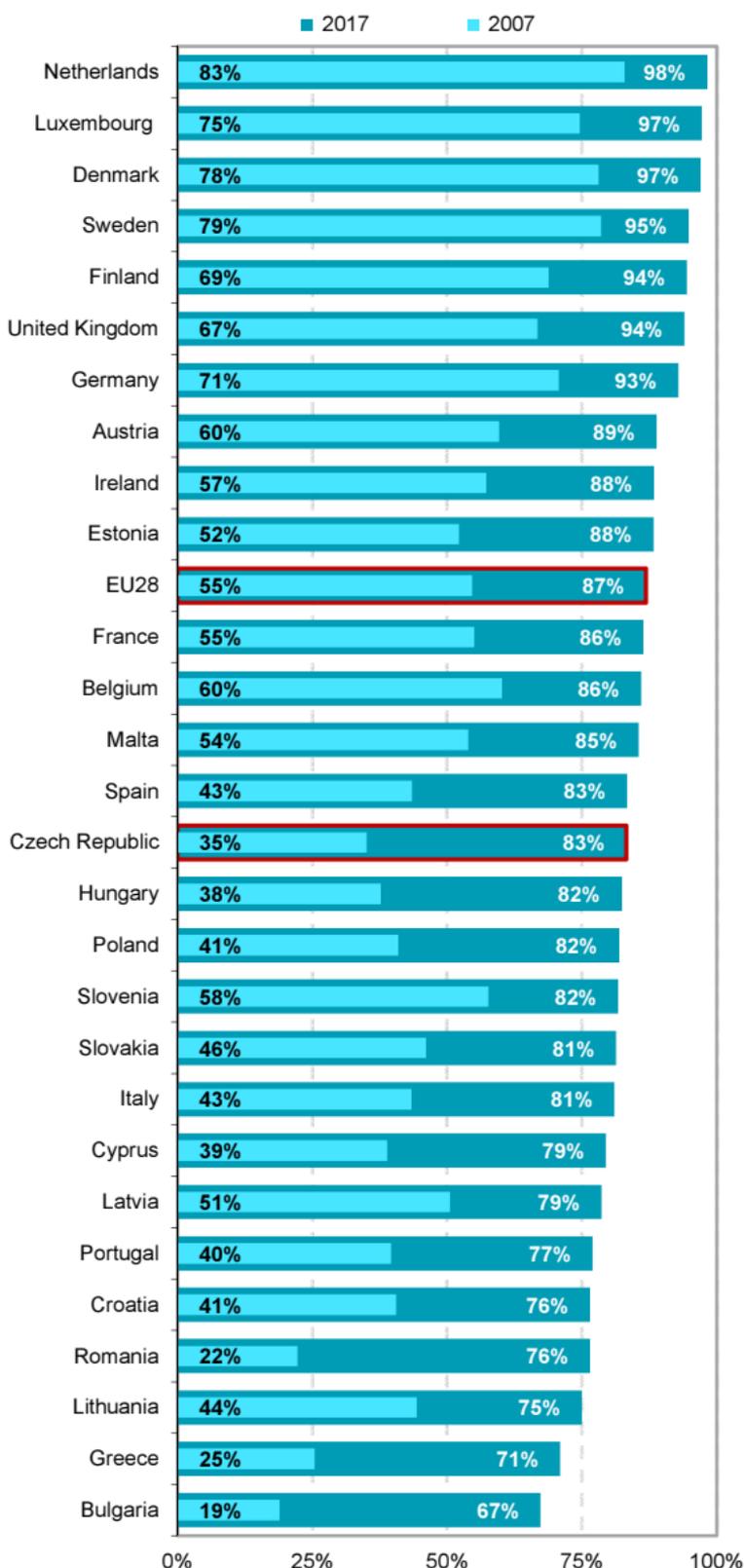


as a percentage of all households with internet located in a given municipalities

Source: Czech Statistical Office, ICT use survey in households, 2018

B Households

Figure B19 Households in EU countries with access to the internet



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

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Tab. B7 Households without internet access in the Czech Rep.

%

	2013	2015	2017
Total	33,0	26,9	22,8
Total (with at least one member younger than 75)	27,4	21,0	16,8
Household (HH) type:			
Households without children, total	42,6	34,8	29,5
all persons living in HHs are younger than 40	8,0	5,3	3,2
all persons living in HHs are older than 65	86,0	75,8	68,9
Households with children	8,5	6,4	4,1
Household income group:			
Lowest income group (first quartile)	71,0	66,2	57,4
Second quartile income group	49,5	42,8	29,3
Third quartile income group	13,6	14,2	6,1
Highest income group (fourth quartile)	5,1	3,2	0,7

as a percentage of all households of a given type

Figure B20 Households without access to the internet

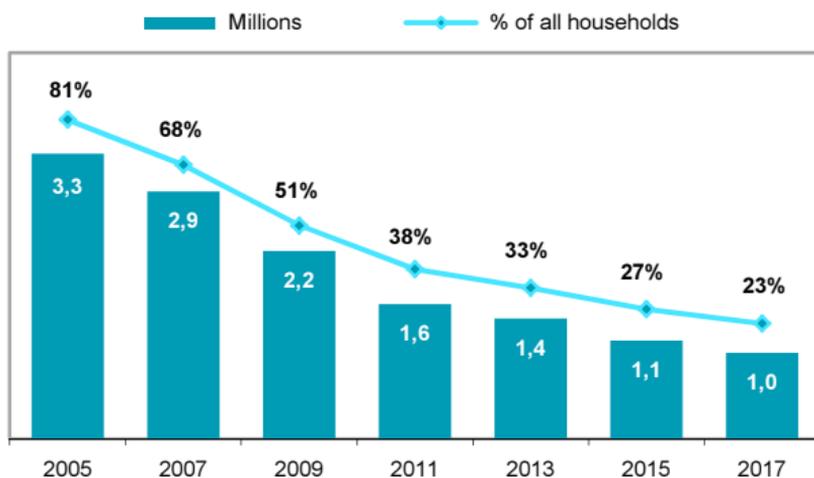
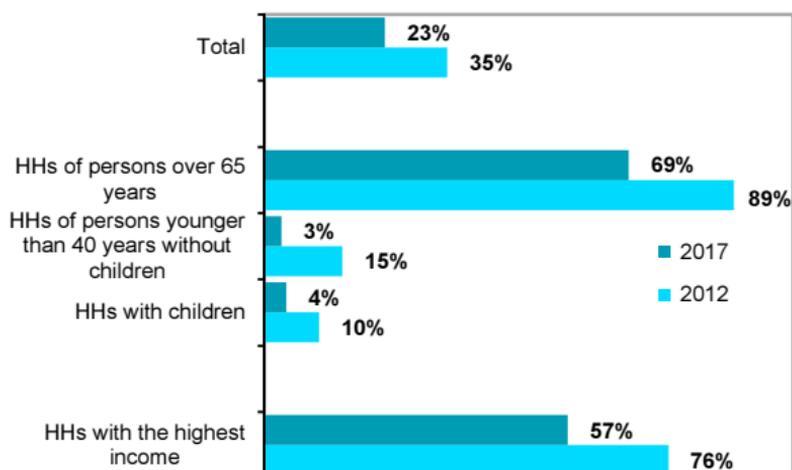


Figure B21 Households without access to the internet by type of household

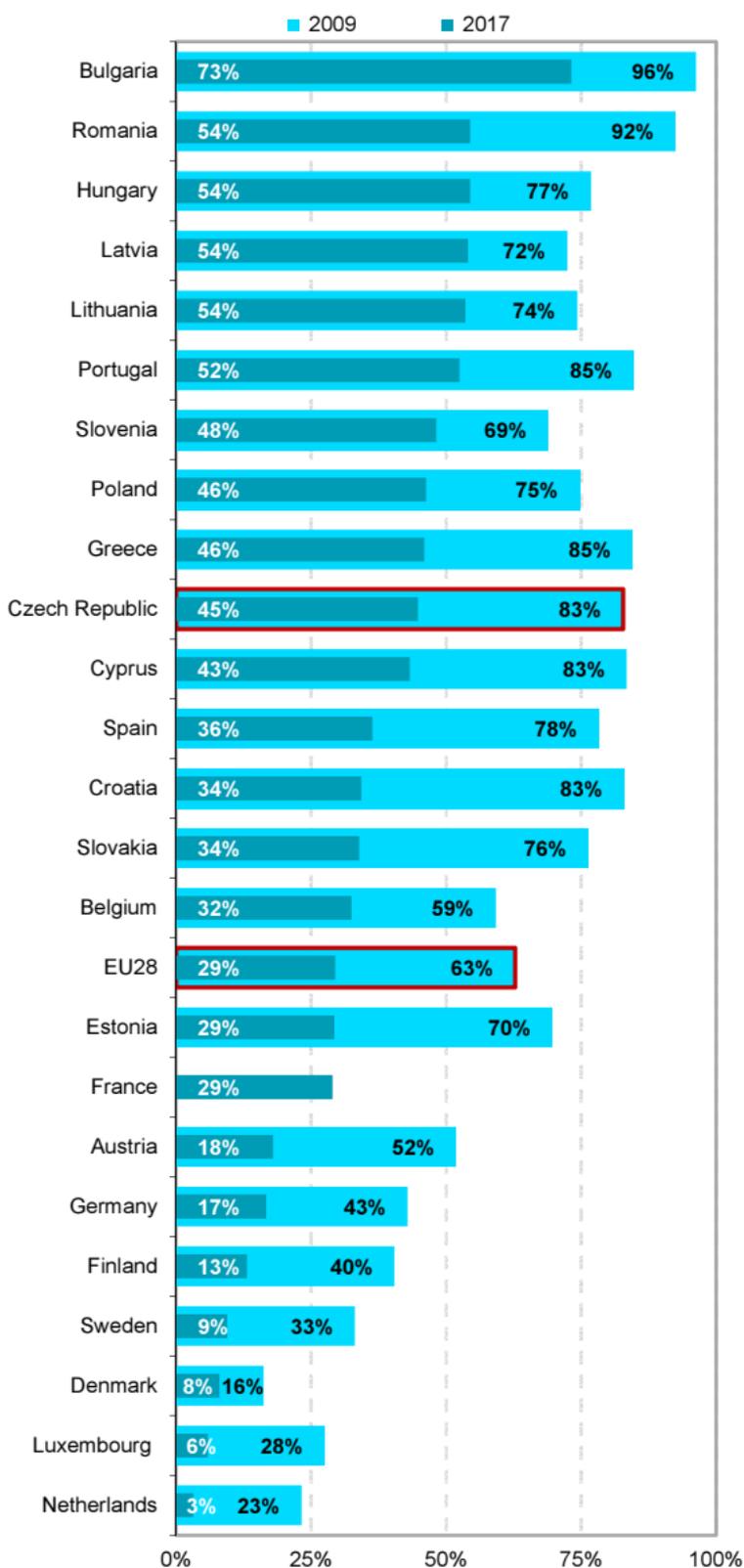


as a percentage of all households of a given type

Source: Czech Statistical Office, ICT use survey in households, 2018

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Figure B22 Low income households (first quartile) in EU countries without internet access



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

B Households

Tab. B8 The most common reasons for not having access to the internet at home; 2017

	Don't need internet	Lack of skills	Costs too high*
Total	80,0	37,6	19,9
<i>Household (HH) type:</i>			
Households without children, total	82,6	37,7	18,0
all persons living in HHS are younger than 40	28,7	9,8	26,3
all persons living in HHS are older than 65	87,4	38,4	12,8
Households with children	28,6	35,4	57,5

as a percentage of all households of a given type without internet

only the most frequently reported reasons were selected

* access and equipment costs too high

Figure B23 Households without access to the internet because access is not needed

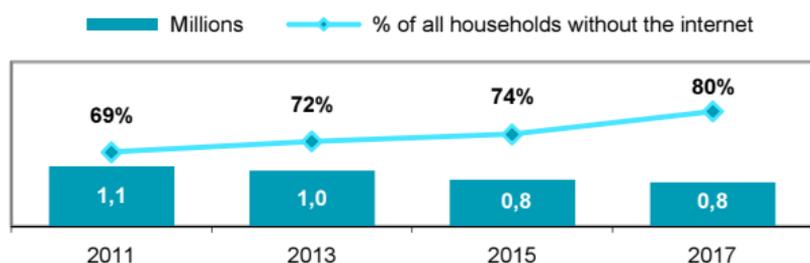


Figure B24 Households without access to the internet due to high access or equipment costs

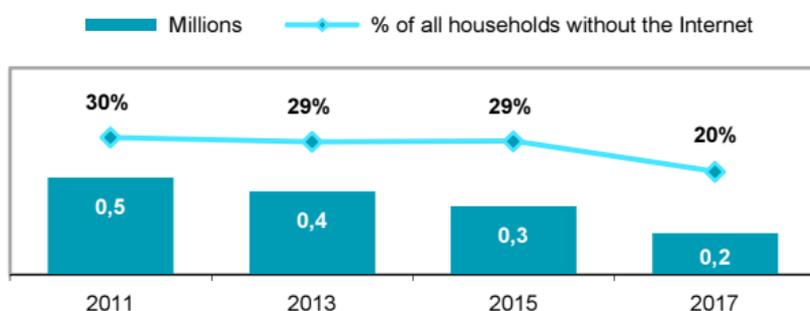
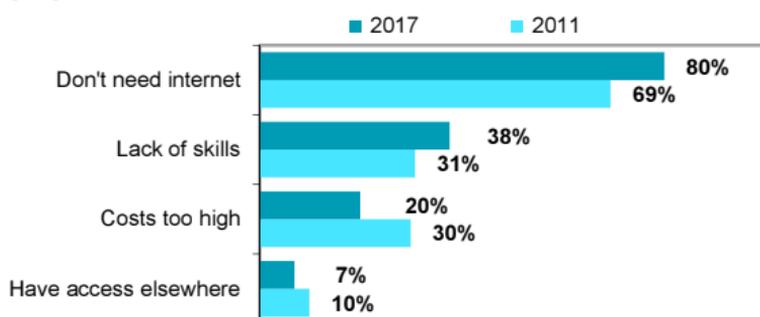


Figure B25 Reasons for not having access to the internet at home

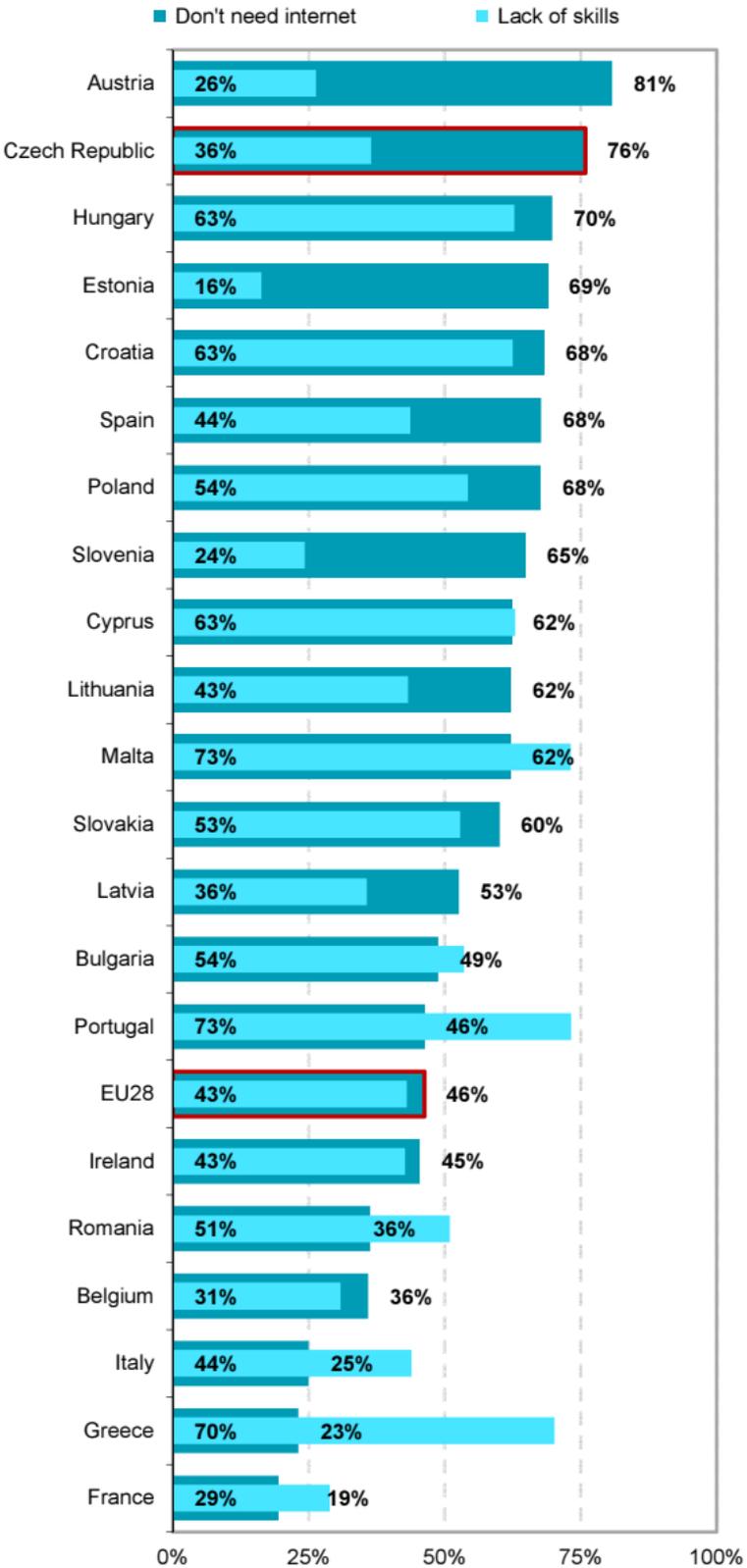


as a percentage of all households without the internet in a given year

Source: Czech Statistical Office, ICT use survey in households, 2018

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Figure B26 The most common reasons for not having access to the internet at home in EU countries; 2017



as a percentage of all households without the internet in a given country where at least one member is younger than 75

B Households

Tab. B9 Households with a Wi-Fi router in the Czech Republic

	2013	2015	2017
Total	34,8	47,7	56,6
<i>Household (HH) type:</i>			
Households without children, total	28,1	39,7	49,2
all persons living in HHs are younger than 40	49,4	64,1	75,2
all persons living in HHs are older than 65	3,2	8,8	14,7
Households with children	51,8	68,4	77,5
<i>Household income group:</i>			
Lowest income group (first quartile)	9,7	13,5	22,3
Second quartile income group	19,9	28,7	48,7
Third quartile income group	37,9	53,4	77,4
Highest income group (fourth quartile)	65,7	76,8	89,4

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

Figure B27 Households with a Wi-Fi router

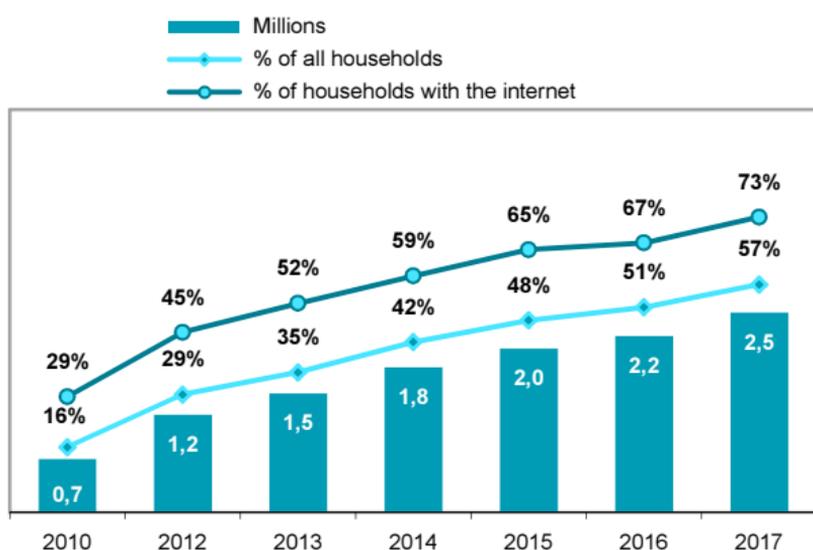
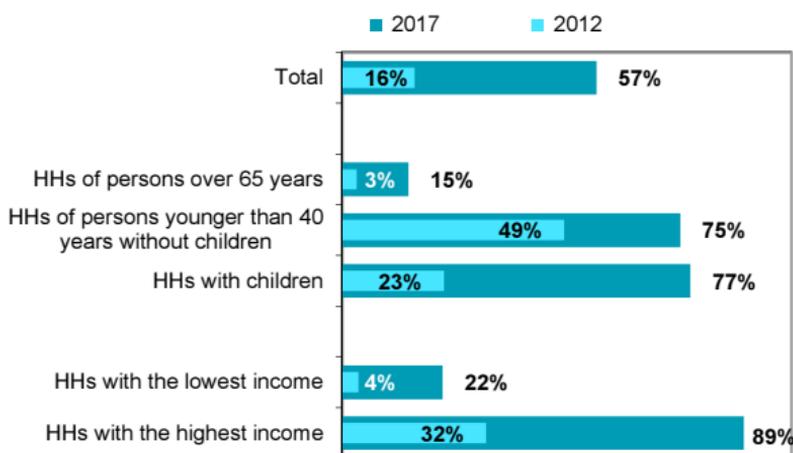


Figure B28 Households with a Wi-Fi router in selected types of households



as a percentage of all households of a given type

Source: Czech Statistical Office, ICT use survey in households, 2018