



Aspects of Digital Life

Webinar, Thursday 28 November 2019, 10:00-11:00 CET



Dr. Dimitra Kondyli,
SoDaNet-EKKE

Professor Nicolas Demertzis
University of Athens
President & Director of EKKE

Dr. Stamatis Poulakidakos,
University of Athens



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- Check your volume and that your speaker/headset is plugged in
- Click on audio to change to listening via phone
- We are recording this webinar – we plan to put it on our website

Overview

- Introducing **CESSDA**, important data sources on aspects of digital life and how to access this data (**Dimitra Kondyli**, EKKE-SoDaNet)
- Investigating the digital divide, based on data from the World Internet Project (WIP) (Professor **Nicolas Demertzis**, University of Athens, Director & President of the Governing Body of EKKE)
- The impact of social media during the national campaigns of the 2019 European elections (Dr. **Stamatis Poulakidakos**, laboratory Teaching Staff, University of Athens)
- Questions and answers
 - Please type questions into question box in the webinar control panel

Key-Data sources

- . Technologies, applications and innovations in the digital economy and consequently digital life impact a broad range of economic-societal areas. As of 2018, there are 3.4 billion internet users worldwide which means over half the global population, whilst the percentage shrinks when we refer to the share of households with a computer at home worldwide.
- . Source: World Bank.

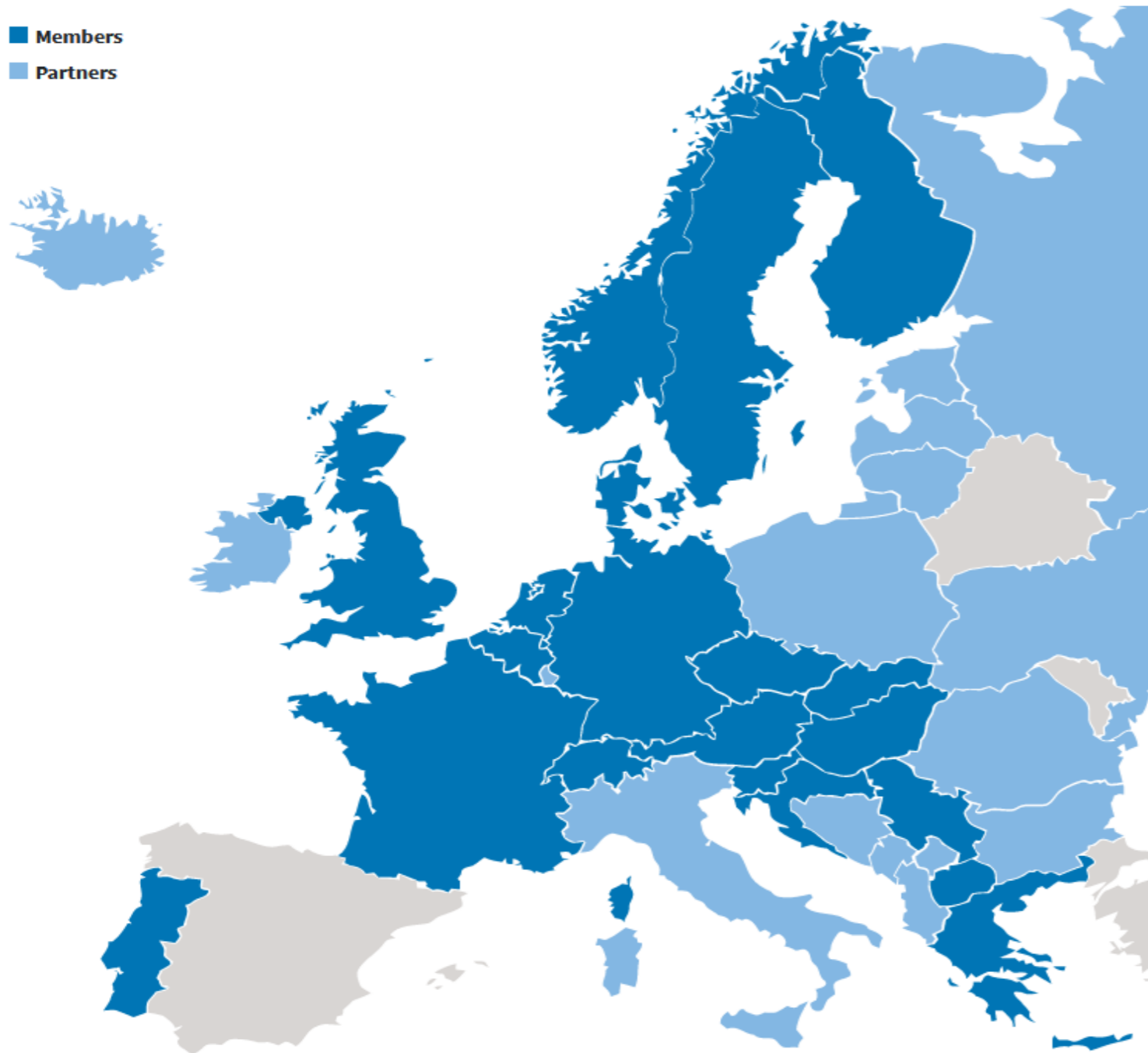
- . They have also transformed the data landscape by creating the so called- data deluge-. We will shortly highlight some key data sources as well as surveys that cast light on some of these aspects of digital life. Because of this accumulation and production datasets can be found in many sites and be distributed by many data archives or repositories etc.

About CESSDA

Mission:

- To enable research community to conduct high-quality research in the social sciences by providing a full scale sustainable research infrastructure
- To develop standards and best practices
- To promote training and knowledge with regard to social sciences data
- To render data FAIR (findable, accessible, interoperable)

CESSDA ERIC is currently composed of nineteen member countries and one observer. Several European countries are in the process of becoming a **CESSDA** member or observer.



CESSDA Countries

Members

Partners

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Albania
 Bosnia and Herzegovina
 Bulgaria
 Estonia
 Iceland
 Ireland
 Italy
 Kosovo
 Latvia
 Lithuania
 Luxembourg
 Montenegro
 Poland
 Romania
 Russia
 Ukraine

Data sources in Europe

EUROSTAT

https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Glossary:Digital_divide



Glossary:Digital divide



Digital divide refers to the distinction between those who have internet access and are able to make use of new services offered on the World Wide Web, and those who are excluded from these services.

At a basic level, the participation of citizens and enterprises in the information society depends on access to [information and communication technology \(ICT\)](#), i.e. the presence of electronic devices, such as [computers](#), and internet connections.

The term explicitly includes access to ICTs, as well as the related [skills](#) that are needed to take part in the information society.

The digital divide can be classified according to criteria that describe the difference in participation according to gender, age, education, income, social groups or geographic location.

Related concepts

- [Digital literacy](#)
- [E-inclusion](#)
- [E-skills](#)
- [Information and communication technology \(ICT\)](#)

Statistical data

- [Digital economy and society statistics - households and individuals](#)
- [Digital economy and society statistics - enterprises](#)

Categories: [Education and training glossary](#) | [Glossary](#) | [Digital economy and society glossary](#)

Glossary

Discussion

ISSN 2443-8219

Data sources in Europe

EUROSTAT

https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Glossary:Digital_divide

Access: Users can find statistics by navigating through specific topics (see next slide).

For accessing **EUROSTAT** microdata researchers can apply via their research organisations under condition that these are recognised as research entities.

More:

https://ec.europa.eu/eurostat/documents/203647/771732/How_to_apply_for_microdata_access.pdf

Data sources in Europe

National Statistical Offices:

Measuring the use of ICTs via the Hellenic Statistical Authority

- The Survey on the **Use of Information and Communication Technologies by Households and Individuals** (HH ICT) is part of the **European Statistical Programme**.
- Main purpose: To study, at **European and national level**, the degree of **ICT** use by households. Most of the data provided are used for the benchmarking of the indicators of **Information Society for 2016 – 2021**.
- The survey collects data on internet access and ubiquitous internet connectivity, transactions with public authorities via the internet (e-government), e-commerce, etc.

Access is granted upon request along with detailed research proposal

International data sources

OECD:

www.oecd.org

Data can be browsed by **topic** or **country**. Users can find and share data that is browsed by **topic** or **country**.

In addition to data, indicators and publications are also available to users.

References: OECD (2019), Access to computers from home (indicator). doi: 10.1787/a70b8a9f-en (Accessed on 21 November 2019)

<https://data.oecd.org/ict/access-to-computers-from-home.htm#indicator-chart>



ICT



Search tips

OECD Data > Search Results

Filter by type

- Indicators
- Databases
- API Access
- Publications

Filter by topic

- Agriculture
- Development
- Economy
- Education
- Energy
- Environment
- Finance
- Government
- Health
- Innovation and Technology**
- Jobs
- Society

Sort results

- Relevance
- Date
- Alphabetically

Showing 3198 results for "ict"

- ICT employment
INDICATOR in Information and communication technology (ICT)
- ICT goods exports
INDICATOR in Information and communication technology (ICT)
- ICT investment
INDICATOR in Information and communication technology (ICT)
- ICT value added
INDICATOR in Information and communication technology (ICT)
- Access to computers from home
INDICATOR in Information and communication technology (ICT)
- Internet access
INDICATOR in Information and communication technology (ICT)
- Business use of broadband
INDICATOR in Broadband access
- Fixed broadband subscriptions
INDICATOR in Broadband access
- Households with broadband access
INDICATOR in Broadband access
- Mobile broadband subscriptions
INDICATOR in Broadband access
- Banking sector leverage
INDICATOR in Corporate sector
- Business confidence index (BCI)
INDICATOR in Leading indicators
- Child vaccination rates

International data sources

ICPSR

www.icpsr.org

ICPSR Find & Analyze Data Log In/Create Account

FIND DATA SEARCH/COMPARE VARIABLES DATA-RELATED PUBLICATIONS RESOURCES FOR STUDENTS HELP

Filters

Subject Terms

- demographic characteristics (94)
- census data (69)
- income (69)
- employment (62)
- housing (61)

[view all](#)

Restriction Type

Data Format

Collection Method

Data Type

Time Method

Time Period

Recent Releases

Search Results

440 results.

ict

[search tips](#)

Studies (440)	Variables (142)	Series (79)	Data-related Publications (2)	ICPSR Website (0)
Sort by: Study Relevance				
1 2 3 4 5				
Study Title/Investigator				Released/Updated
1. Work Happiness among ICT Professionals	Omar, Safiah			2017-08-24 more info
2. Information and Communication Technology (ICT) for Crown Prosecutors' Offices (ICPSR 22240)	Iannacci, Federico; Cordella, Antonio; Kallinikos, Jannis			2008-04-15 more info
3. ICT Diffusion and Distribution Dataset, 1990-2007 (ICPSR 23562)	Howard, Philip N.; Busch, Laura; Cohen, Spencer			2010-03-22 more info
4. Replication data for: Agglomeration of Invention in the Bay Area: Not Just ICT	Forman, Chris; Goldfarb, Avi; Greenstein, Shane			2019-10-12 more info
5. Eurobarometer 58.0: Services of General Interest, New Technologies, ICT, Health, Environment, and Public Safety, September-October 2002 (ICPSR 3661)	Christensen, Thomas			2010-04-26 more info
6. Replication data for: A Short-Run View of What Computers Do: Evidence from a UK Tax Incentive	Gaggl, Paul; Wright, Greg C.			2019-10-12 more info

International data sources

PEW Research Centre

<https://www.pewresearch.org/internet/profile/>

Pew Research Centre makes its data available to the public for secondary analysis after a period of time. **Pew Research Centre** was one of pioneer organizations involved in studying aspects of **digital life** for thirty years with **Pew Internet & American Life Project** that started in 1999.

Access: users have to register in **Pew Research Centre**.

International data sources

World Bank

<https://www.worldbank.org/>



WHO WE ARE WHAT WE DO WHERE WE WORK UNDERSTANDING POVERTY WORK WITH US

Search

- All
- Research
- Data**
- News
- Topics
- Projects
- Learning

Showing 1 - 10 of 74400 results

[Investment in ICT with private participation \(current US ...](#)

<https://data.worldbank.org/indicator/IE.PPI.ICTI.CD?locations=ID>

Public private partnerships investment in ICT (current US\$) Public private partnerships investment in transport (current US\$) Public private partnerships investment in energy (current US\$)

[ICT goods imports \(% total goods imports\) | Data](#)

<https://data.worldbank.org/indicator/TM.VAL.ICTG.ZS.UN>

ICT goods exports (% of total goods exports) Merchandise imports from low- and middle-income economies in Middle East & North Africa (% of total merchandise imports) Agricultural raw materials imports (% of merchandise imports)

[Mobile cellular subscriptions \(per 100 people ...](#)

<https://data.worldbank.org/indicator/IT.CEL.SETS.P2?locations=TJ>

International Telecommunication Union, World Telecommunication/ICT Development Report and database.

[Fixed broadband subscriptions \(per 100 people\) | Data](#)

<https://data.worldbank.org/indicator/IT.NET.BBND.P2?end=2016&start=1973>

International Telecommunication Union, World Telecommunication/ICT Development Report and database.

[Mobile cellular subscriptions - Vietnam | Data](#)

<https://data.worldbank.org/indicator/IT.CEL.SETS?locations=VN>

International Telecommunication Union, World Telecommunication/ICT Development Report and database.

[Foreign direct investment, net inflows \(% of GDP\) | Data](#)

<https://data.worldbank.org/indicator/BX.KLT.DINV.WD.GD.ZS?end=2015&start=1970&view=chart>

Foreign direct investment, net inflows (% of GDP) from The World Bank: Data

Comparative Social Surveys

European Social Survey (ESS)

<http://www.europeansocialsurvey.org/>

The **European Social Survey (ESS)** is an academically driven cross-national survey that has been conducted across **Europe** since its establishment in 2001 and covering surveys in over 30 nations. Its aim is to measure and explain trends in attitudes, beliefs and values across countries in Europe and its close neighbors.

Since ESS1 (2002) to the latest ESS9 (2018) there is information about using internet, world wide web and e-mail whether at home or work for personal use. For next round (**ESS 10**) there will be a new module on **Digital social contacts in work and family life** for the first time.

Access: via ESS website. For assessing ESS data , **users should register to NSD** (Norwegian Social Science Data Service) a **CESSDA** Service Provider.

Programme for the International Assessment of Adult Competencies (PIAAC)

An ongoing program of assessment measuring adults' proficiency in key information-processing skills - literacy, numeracy and problem-solving in technology-rich environments.

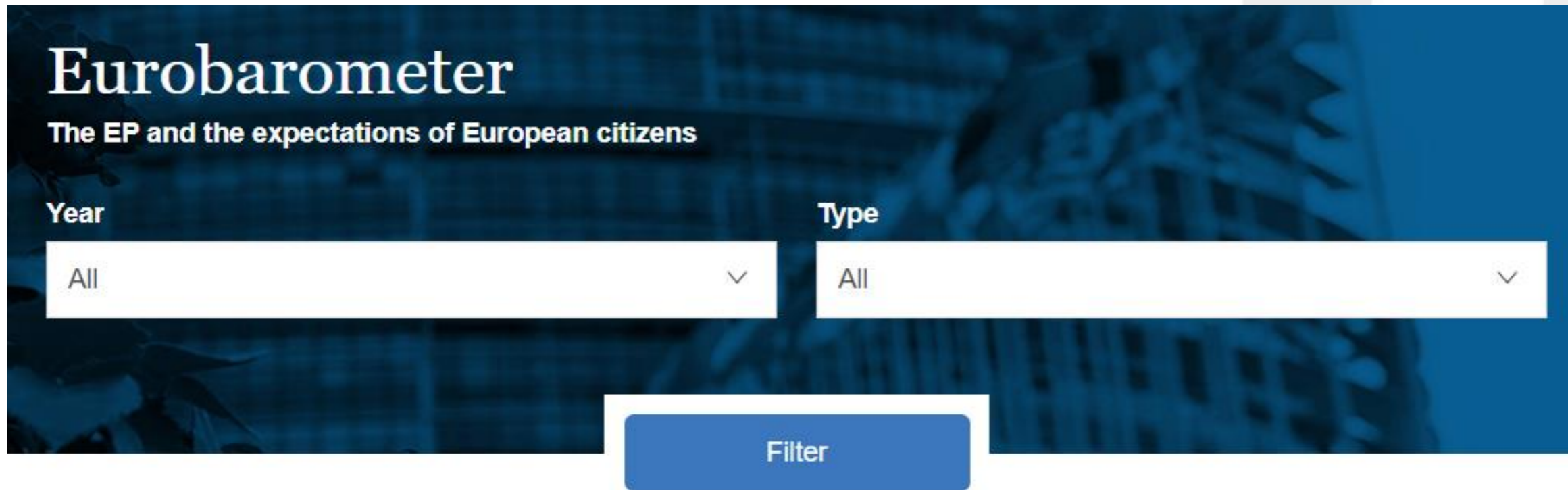
Access data: users can download Public Use Files (PUF), codebooks, background questionnaires and all materials needed to undertake their own analysis of the PIAAC data like the International Data Explorer(IDE) at: <https://www.oecd.org/skills/piaac/data/>

Programme for the International Assessment of Adult Competencies (PIAAC)

The screenshot shows the OECD Skills Surveys website. At the top left is the OECD logo with the tagline "BETTER POLICIES FOR BETTER LIVES". To the right are social media icons for email, Twitter, Facebook, and YouTube, along with a search bar labeled "Custom :". Below the header is a blue banner for "OECD Skills Surveys". A navigation menu includes links for HOME, ABOUT, PIAAC DESIGN, EVENTS, DATA (highlighted), PUBLICATIONS, and ONLINE ASSESSMENT. The breadcrumb trail reads "Survey of Adult Skills (PIAAC) > Data". The main heading is "PIAAC Data and Tools". The text below states: "Twenty-four countries participated in Round 1 of the Survey of Adult Skills (PIAAC), with data collection taking place from 1 August 2011 to 31 March 2012 in most countries. Nine countries took part in Round 2 of the assessment, with data collection taking place from April 2014 to end-March 2015. Data from Round 3 will be released on 15 November 2019, with the addition of: Ecuador, Hungary, Kazakhstan, Mexico, Peru and United States. For any queries, please contact edu.piaac@oecd.org". On the right side of the content area is a link for "Expand all". Below this is a list of four expandable sections: "+ PIAAC Data", "+ Documentation", "+ Tools for Analysis", and "+ Explore the Data".

Eurobarometer

<https://www.europarl.europa.eu/at-your-service/en/be-heard/eurobarometer>



The screenshot shows the Eurobarometer website interface. At the top, the title "Eurobarometer" is displayed in a large, white, serif font, followed by the subtitle "The EP and the expectations of European citizens" in a smaller, white, sans-serif font. Below the subtitle, there are two filter dropdown menus. The first is labeled "Year" and has "All" selected. The second is labeled "Type" and also has "All" selected. Both dropdown menus are white with a small downward arrow on the right side. Below the filters, there is a blue button with the word "Filter" in white text.

What is Eurobarometer ?

Since 1973, the European institutions commission regular public opinion surveys, the Eurobarometer, in all EU Member States.

In 2007, the European Parliament launched its own specific Eurobarometer series. These surveys cover a wide range of issues, focusing on citizens' perceptions and expectations towards EU action, and the main challenges the Union is facing. The surveys also measure in detail citizens' attitudes towards the EU and the European Parliament, while also keeping a close eye on the public's views on the European elections.

Due to this long-running exercise, the analysis of the results provides detailed insight into trends and evolution of public opinion on European issues, both on a national and a socio-demographic level.

Eurobarometer

<https://search.gesis.org/>

gesis Leibniz Institute for the Social Sciences German Contact FAQ

Search

Services ▾ Research ▾ Institute ▾

842 Hits

Filter results

Topic ▾ Person ▾ Year ▾ Source ▾
Study title ▾

Data collections

only GESIS (8)
 GESIS and others (146)

Sort by: Relevance ▾

Research data (8)
Variables & Questions (0)
Publications (802)
Instruments & Tools (2)
GESIS Webpages (17)
GESIS Library (13)

Flash Eurobarometer 305 (Innobarometer 2010)
[European Commission, Brussels Directorate-General Communication, Public Opinion Analysis Sector](#)
GESIS Data Archive, Cologne. ZA5458 Data file Version 1.0.0 (2011), doi:10.4232/1.10740, Date of Collection: 09.10.2010 - 17.10.2010
Abstract: Innovation in public administration. Topics: 1. Innovation: introduction of innovations since January 2008; pioneering role compared to other public administration authorities; innovation... [more](#)
Linked information: **Publications (1)**
Search term found in: *Abstract:* " der folgenden Dienstleistungen für Privatunternehmen: **ICT**-Geräte oder Systeme, Technologien oder"

AUTNES TV Debates Panel Study 2013
[Kritzinger, Sylvia; Johann, David; Glantschnigg, Christian](#) +
GESIS Data Archive, Cologne. ZA5858 Data file Version 2.0.1 (2016), doi:10.4232/1.12450, Date of Collection: 16.08.2013 - 07.10.2013
Abstract: This dataset contains political preferences of Austrian citizens eligible to vote at the national parliamentary election on 29.9.2013 (age 16 and older). Participants were surveyed in the period... [more](#)
Linked information: **Publications (1)**
Search term found in: *Abstract:* " zehn Jahren; Demokratiezufriedenheit in Österreich; Item-Count-Technik (**ICT**): Wahlabsicht zugunsten der"

Programme for the International Assessment of Adult Competencies (PIAAC), Cyprus
[Michaelidou-Evripidou, Athena; Modestou, Modestina; Karagiorgi, Yiasemina](#) +
GESIS Data Archive, Cologne. ZA5650 Data file Version 1.1.0 (2016), doi:10.4232/1.12632, Date of Collection: 08.2011 - 03.2012
Abstract: This data file contains competency scores (plausible values) for each participant in the domains –Literacy–Numeracy as well as their background information. The background questionnaire is... [more](#)
Linked information: **Publications (6)**

Materials
[Datasets](#)
[Questionnaires](#)
[Other documents](#)
Actions
[Cite](#)

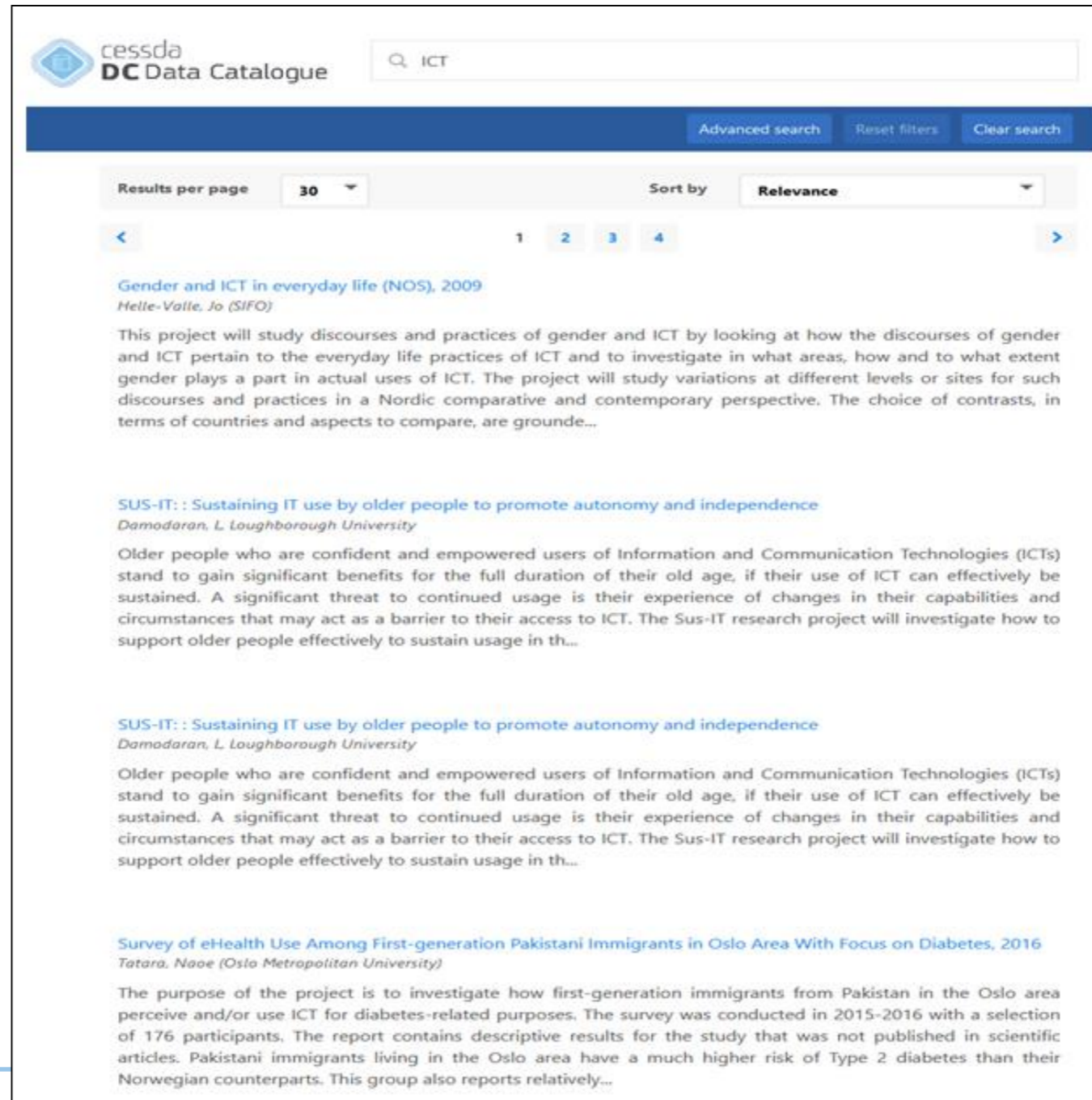
Materials
[Datasets](#)
[Questionnaires](#)
[Codebook](#)
[Other documents](#)
Actions
[Cite](#)

Materials
[Datasets](#)
[Questionnaires](#)
[Other documents](#)
Actions
[Cite](#)

CESSDA Data Catalogue

<https://datacatalogue.cessda.eu/>

CESSDA Data Catalogue contains the metadata of all data in the holdings of **CESSDA's** service providers. It's an **one-stop-shop service** for data search and discovery that enables effective access to **European social science research data**.



The screenshot shows the CESSDA Data Catalogue search results page. The search query is "ICT". The page displays three search results, each with a title, author, and a brief description.

Results per page: 30
Sort by: Relevance

Page navigation: 1 2 3 4

Gender and ICT in everyday life (NOS), 2009
Helle-Valle, Jo (SIFO)
This project will study discourses and practices of gender and ICT by looking at how the discourses of gender and ICT pertain to the everyday life practices of ICT and to investigate in what areas, how and to what extent gender plays a part in actual uses of ICT. The project will study variations at different levels or sites for such discourses and practices in a Nordic comparative and contemporary perspective. The choice of contrasts, in terms of countries and aspects to compare, are grounde...

SUS-IT: : Sustaining IT use by older people to promote autonomy and independence
Damodaran, L. Loughborough University
Older people who are confident and empowered users of Information and Communication Technologies (ICTs) stand to gain significant benefits for the full duration of their old age, if their use of ICT can effectively be sustained. A significant threat to continued usage is their experience of changes in their capabilities and circumstances that may act as a barrier to their access to ICT. The Sus-IT research project will investigate how to support older people effectively to sustain usage in th...

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Survey of eHealth Use Among First-generation Pakistani Immigrants in Oslo Area With Focus on Diabetes, 2016
Tatara, Naoe (Oslo Metropolitan University)
The purpose of the project is to investigate how first-generation immigrants from Pakistan in the Oslo area perceive and/or use ICT for diabetes-related purposes. The survey was conducted in 2015-2016 with a selection of 176 participants. The report contains descriptive results for the study that was not published in scientific articles. Pakistani immigrants living in the Oslo area have a much higher risk of Type 2 diabetes than their Norwegian counterparts. This group also reports relatively...

World Internet Project (WIP)

<https://www.worldinternetproject.com/index.html>

World Internet Project (WIP) is a major, international, collaborative project

looking at the **social, political and economic impact of the Internet and other new technologies.**

Access: Users should contact countries' members

The invention of the Internet has forever altered the world we live in.

Login



WORLD INTERNET PROJECT

27, November, 2019
Wednesday

Time: 15:54

HOME

CONFERENCES

MEDIA & NEWS

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ABOUT WIP



And now our first guest speaker Professor
Nicolas Demertzis



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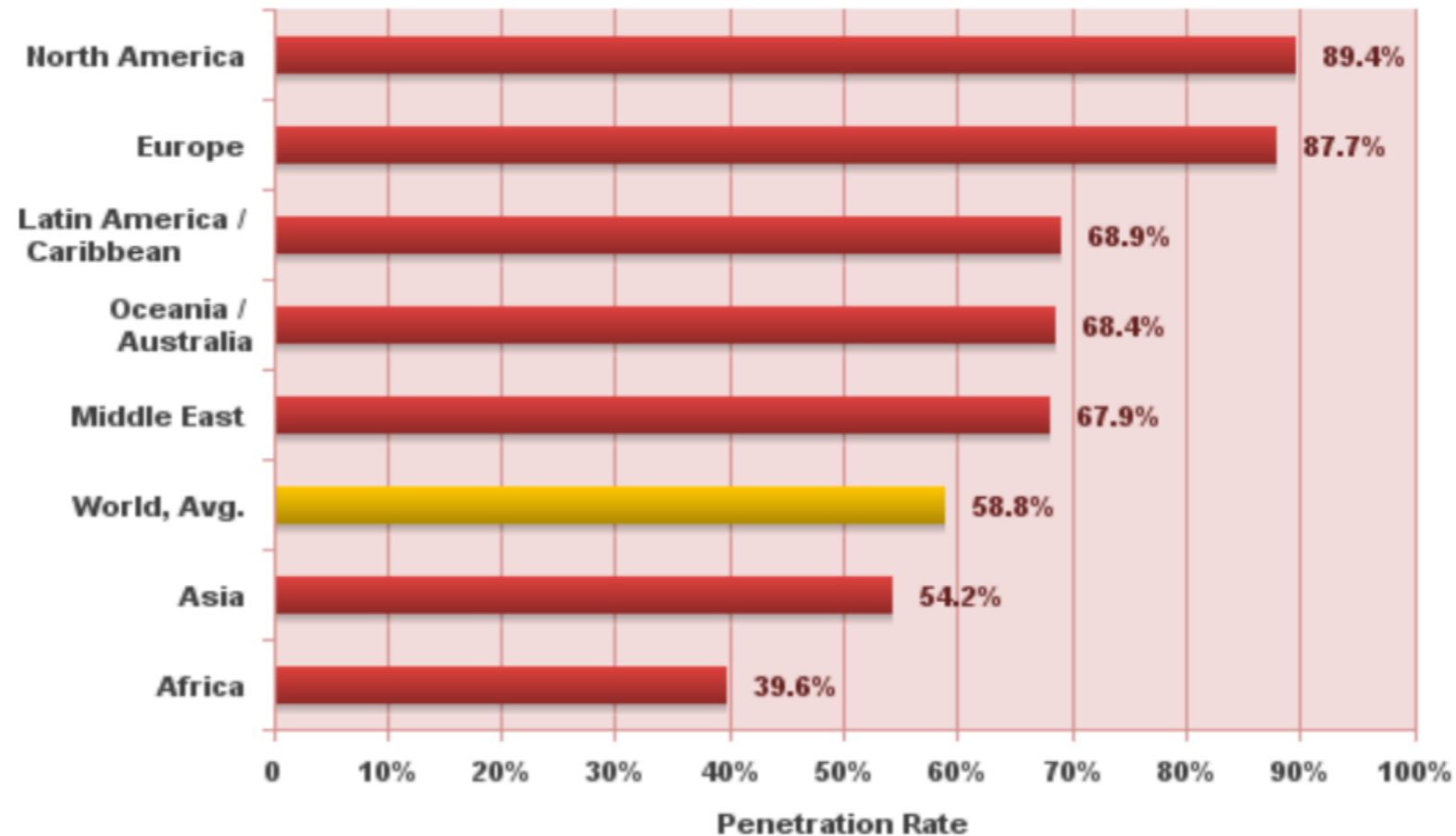


The Digital Divide

The **digital divide** is not only between nations but within nations as well alongside gender, age, education, income, and other socio-demographic variables. In addition, a sort of 'digital divide' can be detected as to the disparity in access between individuals and groups of people with good search skills and those without (Dobransky & Hargittai 2006). This has been described as '**divide after access**' in the sense that the digital divide is not simply reduced to the rates of internet access achieved, but affects the nature and quality of individuals' connection to the internet. (Jung, J.-Y et al. 2005; Bonfadelli, 2002; Jung et al., 2001;).

The Digital Divide

by Geographic Regions - Mid-Year 2019



Source: Internet World Stats - www.internetworldstats.com/stats.htm
Penetration Rates are based on a world population of 7,716,223,209
and 4,536,248,808 estimated Internet users in June 30, 2019.
Copyright © 2019, Miniwatts Marketing Group

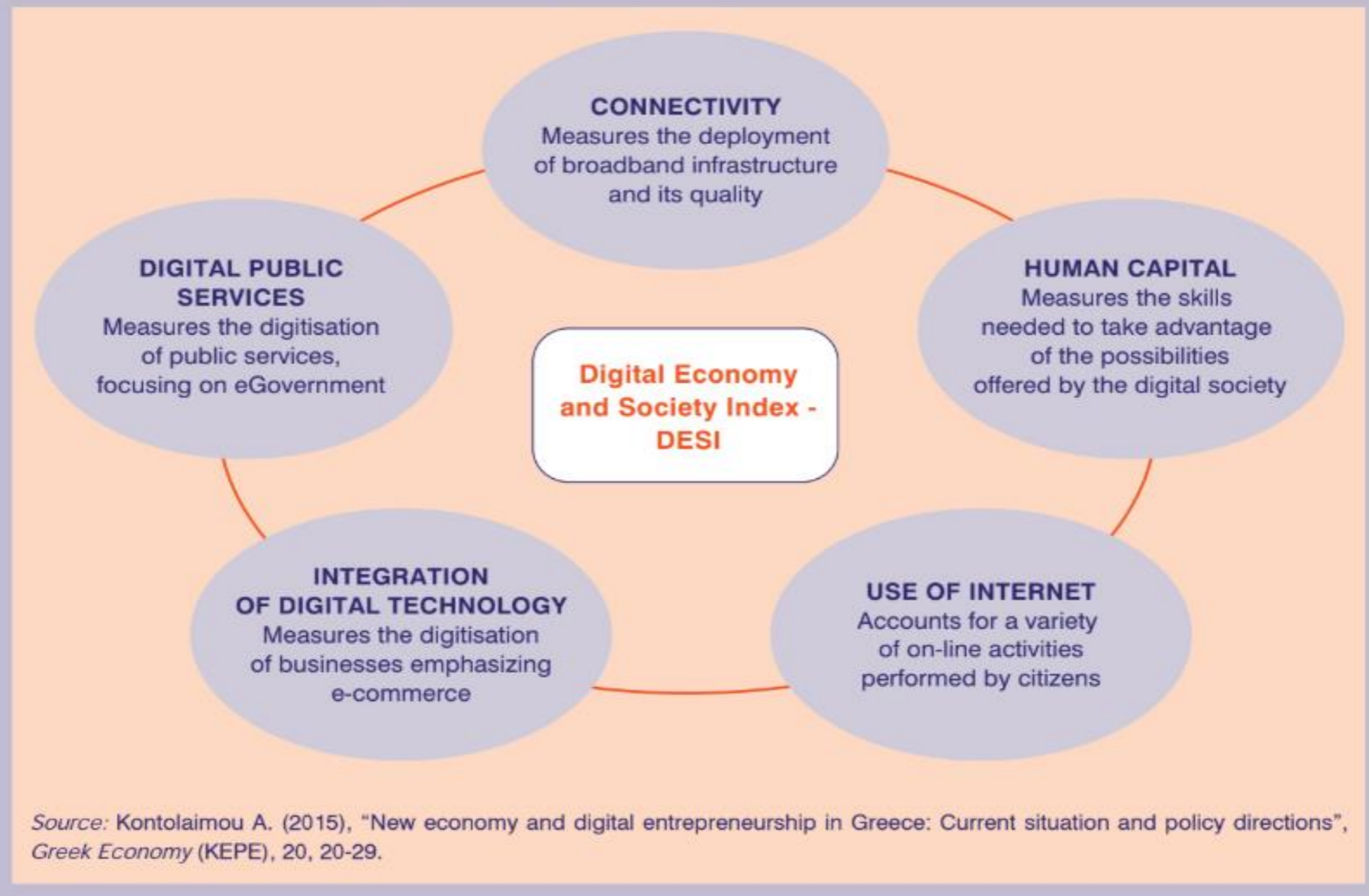
The Digital Divide

This conception of divide '**beyond or after access**' entails the difference between access and use in the sense that access is normally higher than use as some people with access to the internet do not use it. In this vein, some scholars speak of '**double digital divide**', where the lack of technical access is worsened by the lack of social support in acquiring skills and knowledge about utilizing the internet (Wellman et al. 2001). It is apparent, therefore, that in developed societies what counts more is not the divide between the haves and the have-nots but the '**second-level digital**' divide which according to Hargittai (2002) taps disparities in people's online skills and the quality of connection and related services. Usually research on these 'divides after access' illustrates a host of inequalities that both disenfranchise and deter individuals from productively integrating ICT into their everyday lives.

The five dimensions of the Digital Economy and Society

FIGURE 4.2.1

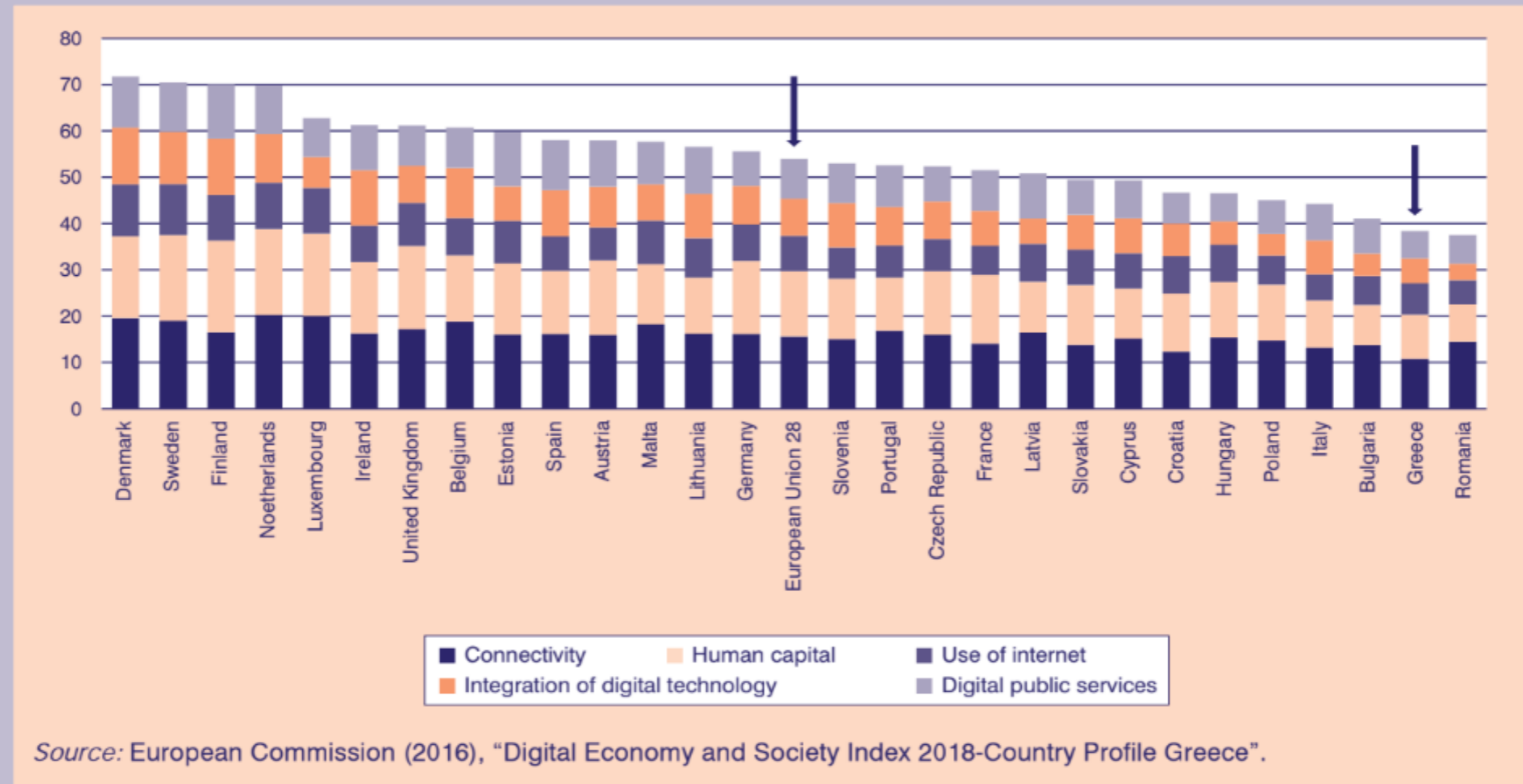
The five dimensions of the Digital Economy and Society



Ranking of EU28 based on DESI

FIGURE 4.2.2

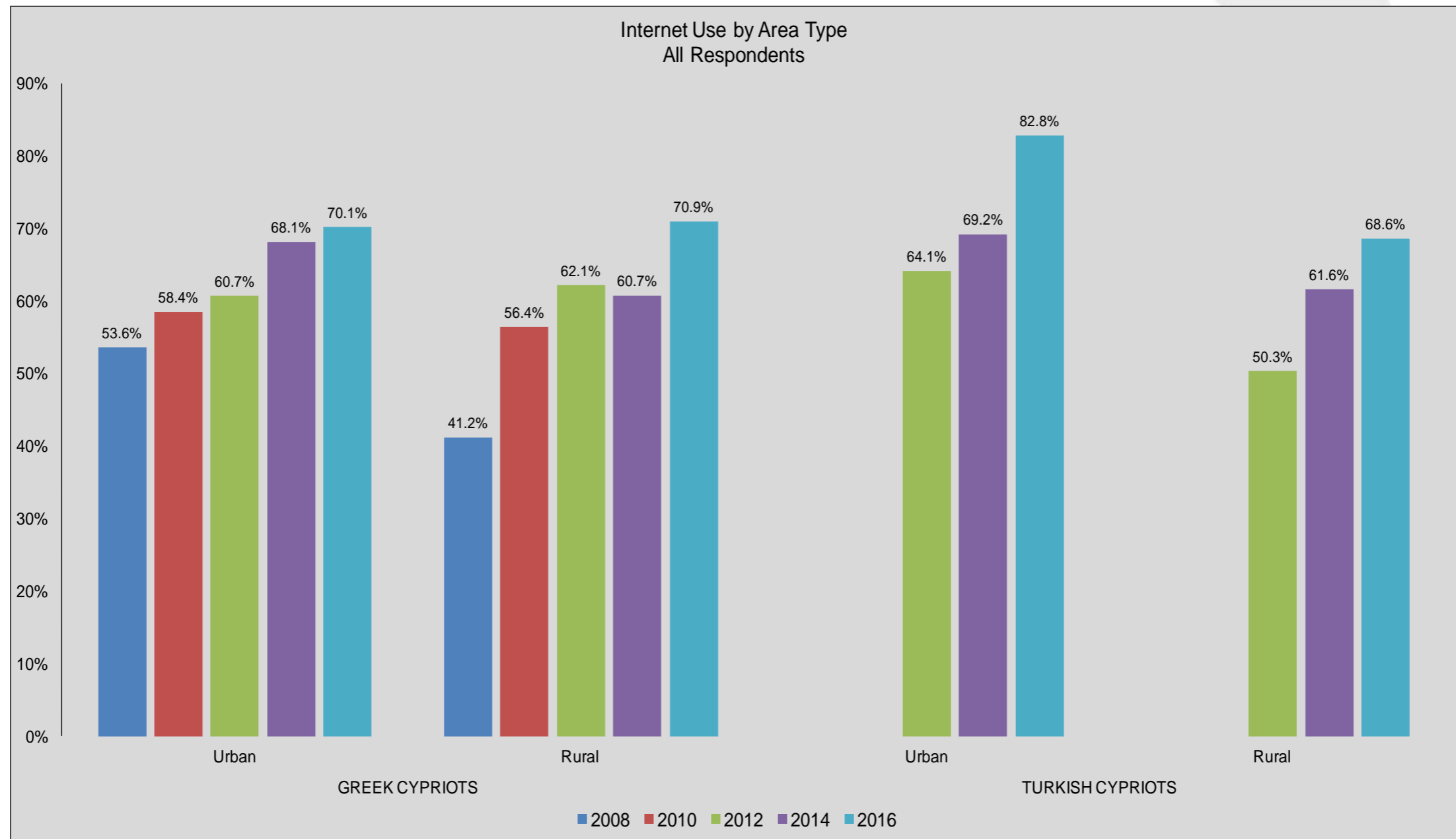
Ranking of EU28 countries based on the overall Digital Economy and Society index for 2018 (DESI 2018)



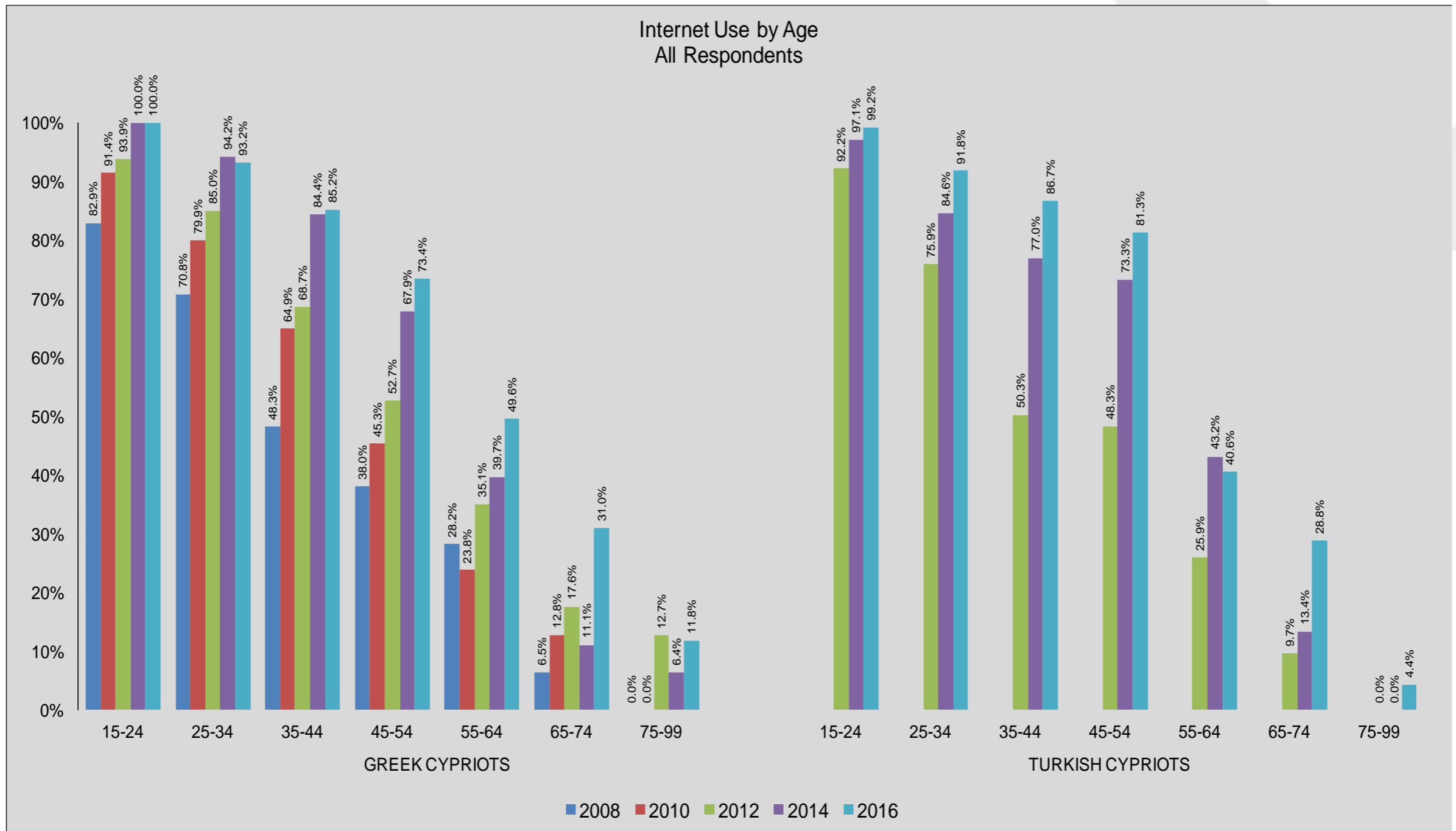
Source: European Commission (2016), "Digital Economy and Society Index 2018-Country Profile Greece".

Nevertheless, in affluent countries the digital divide among categories is expected to gradually closing (Hoffman & Novak 1998; Howard et al. 2001; Margolis & Fisher 2002; Youngs 2002)

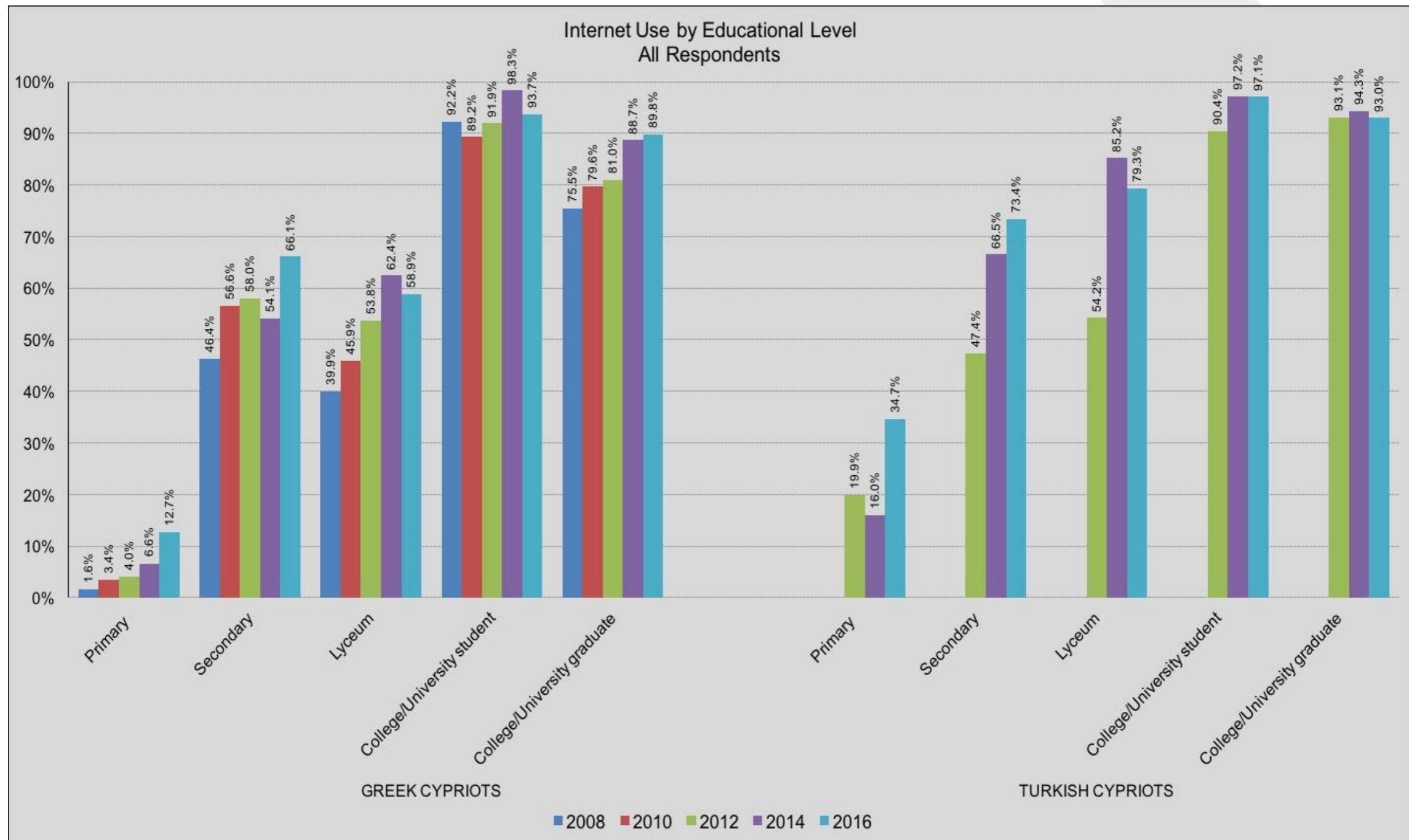
WIP-CY: Internet Use by Area Type



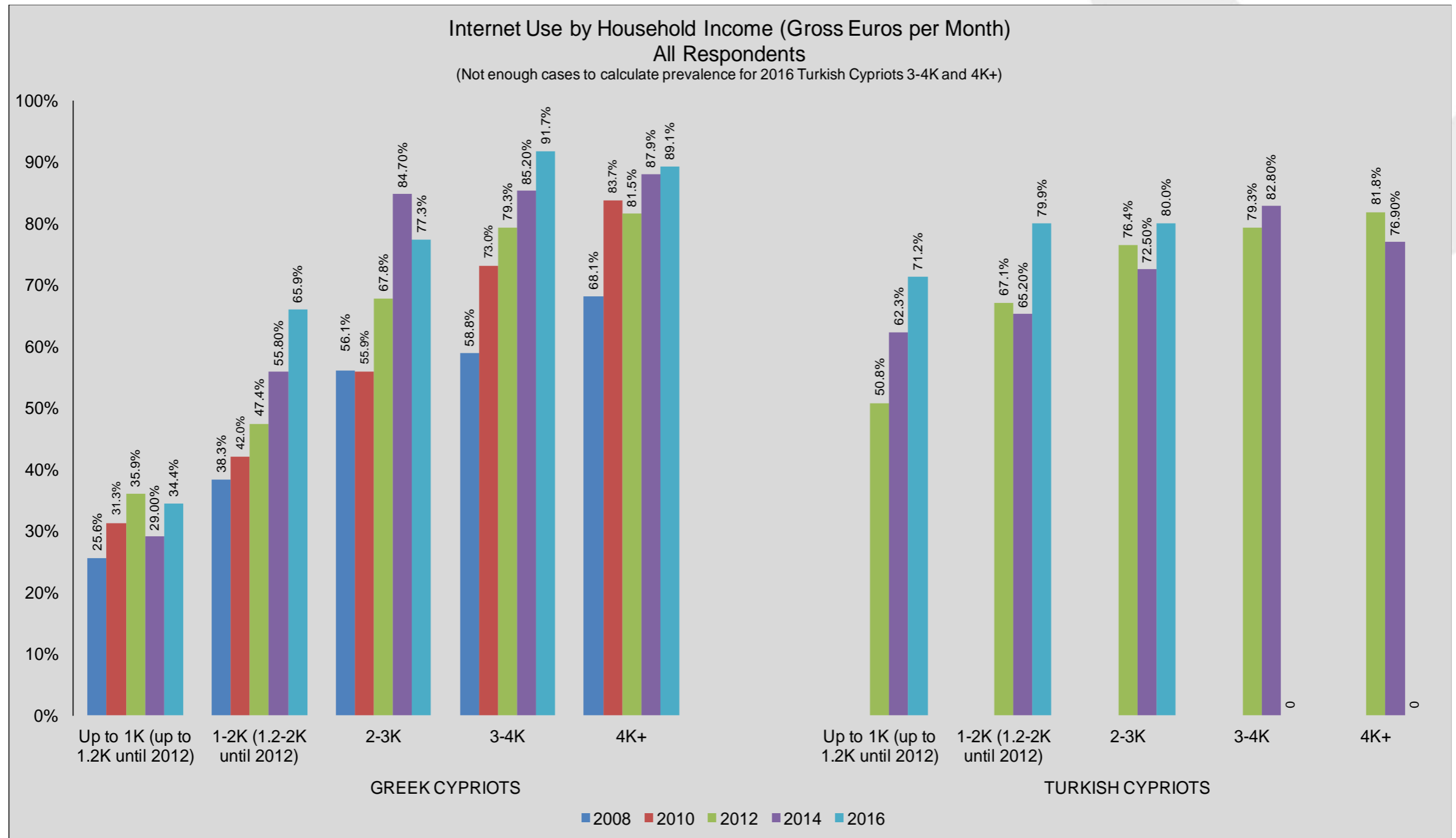
WIP-CY: Internet Use by Age



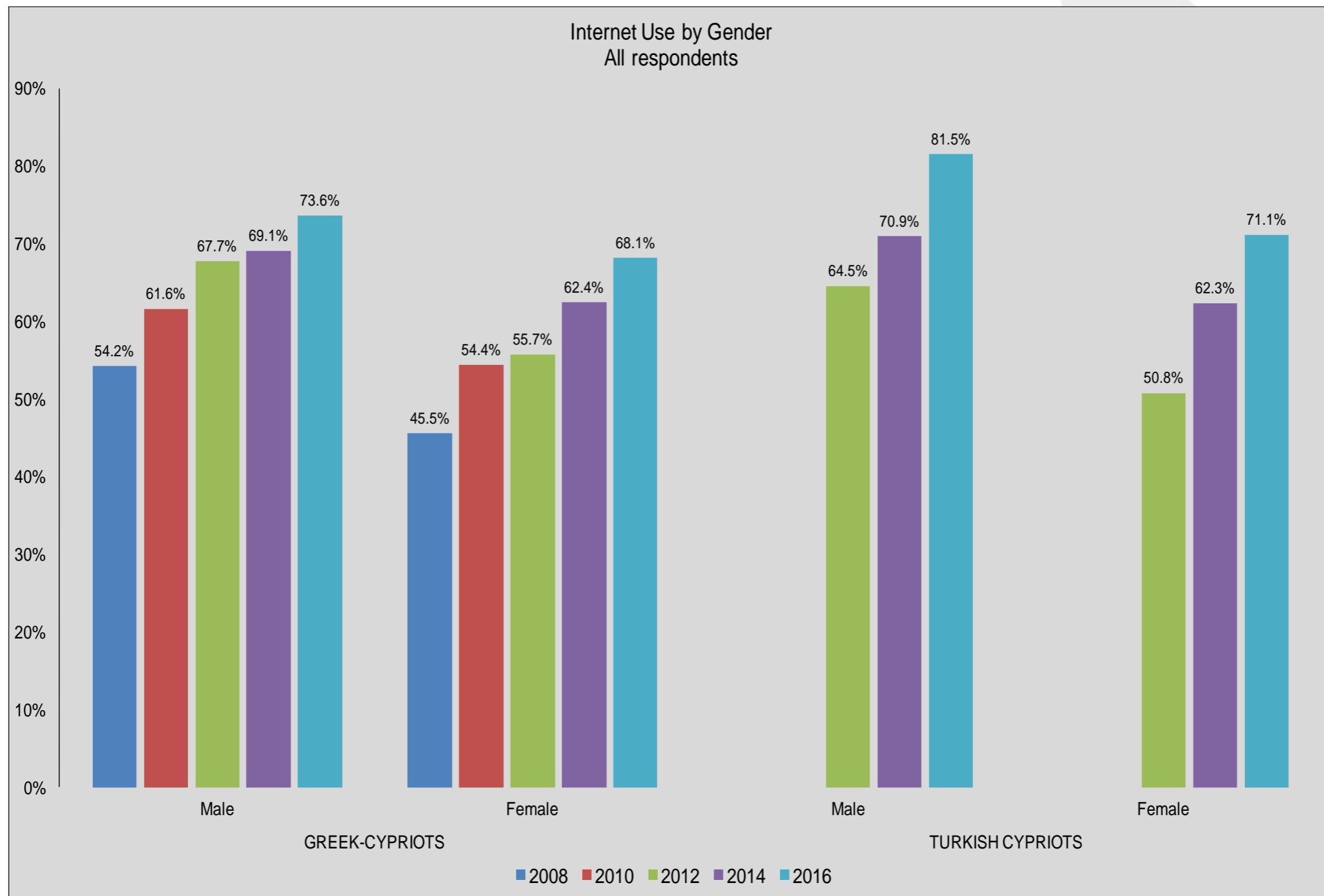
WIP-CY: Internet Use by Educational level



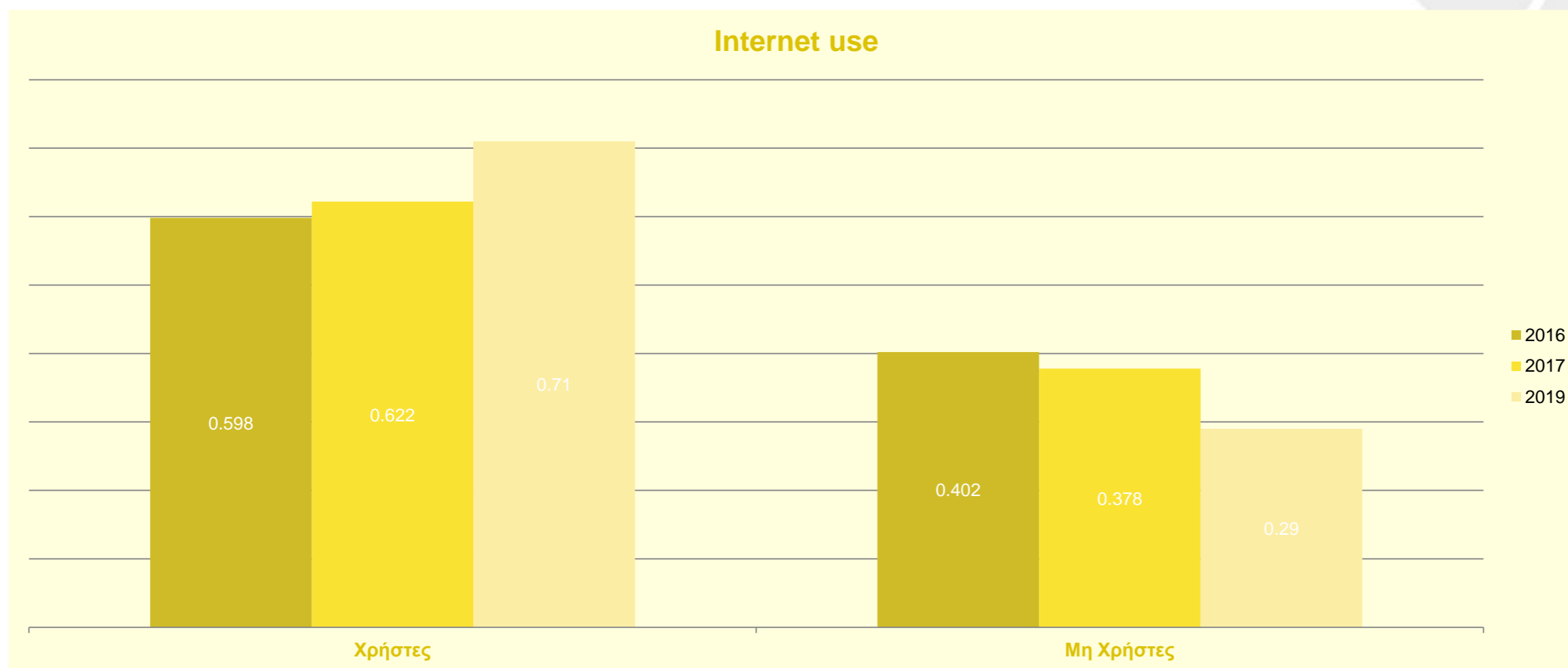
WIP-CY: Internet Use by Household Income



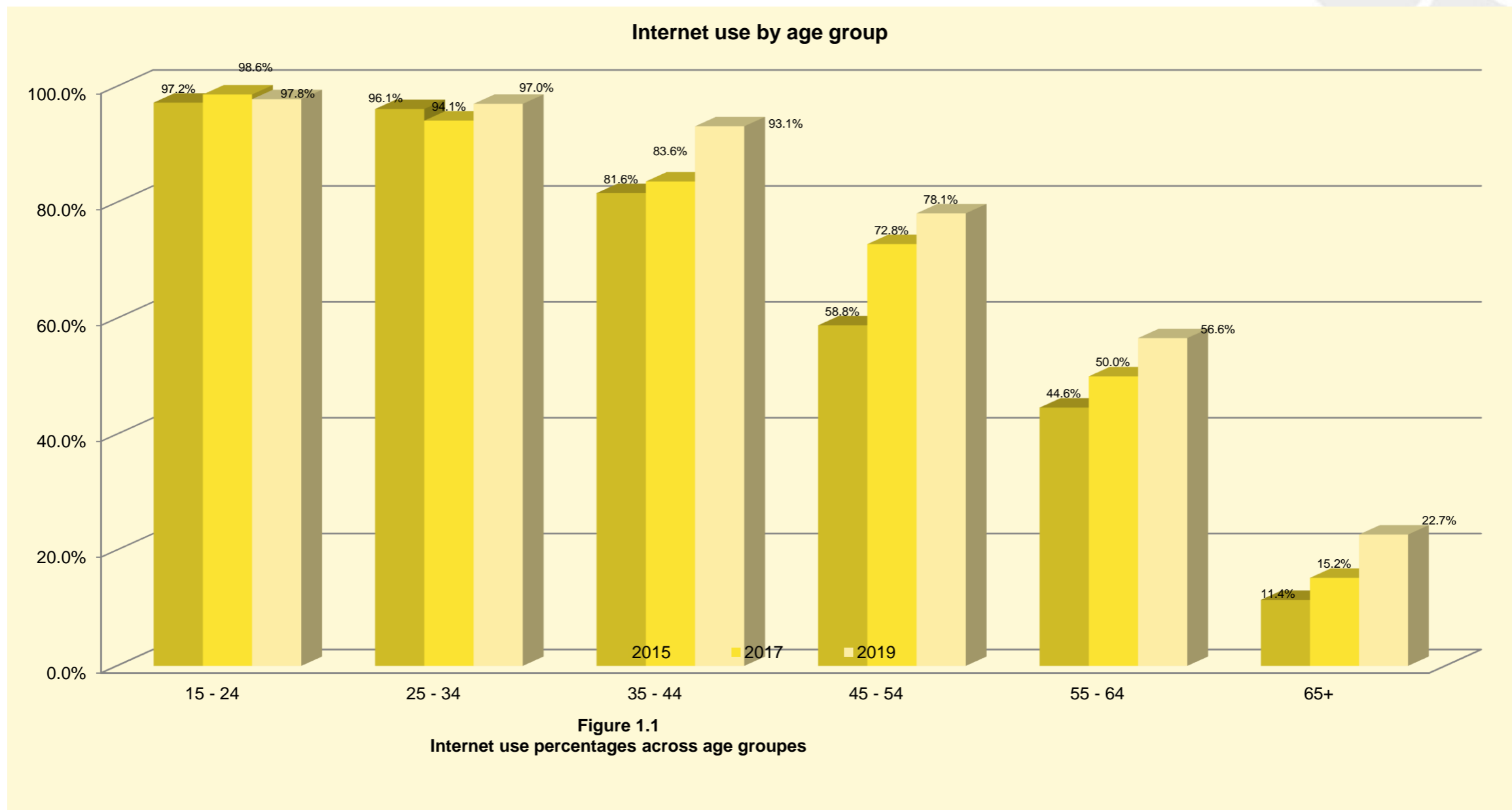
WIP-CY: Internet Use by Gender



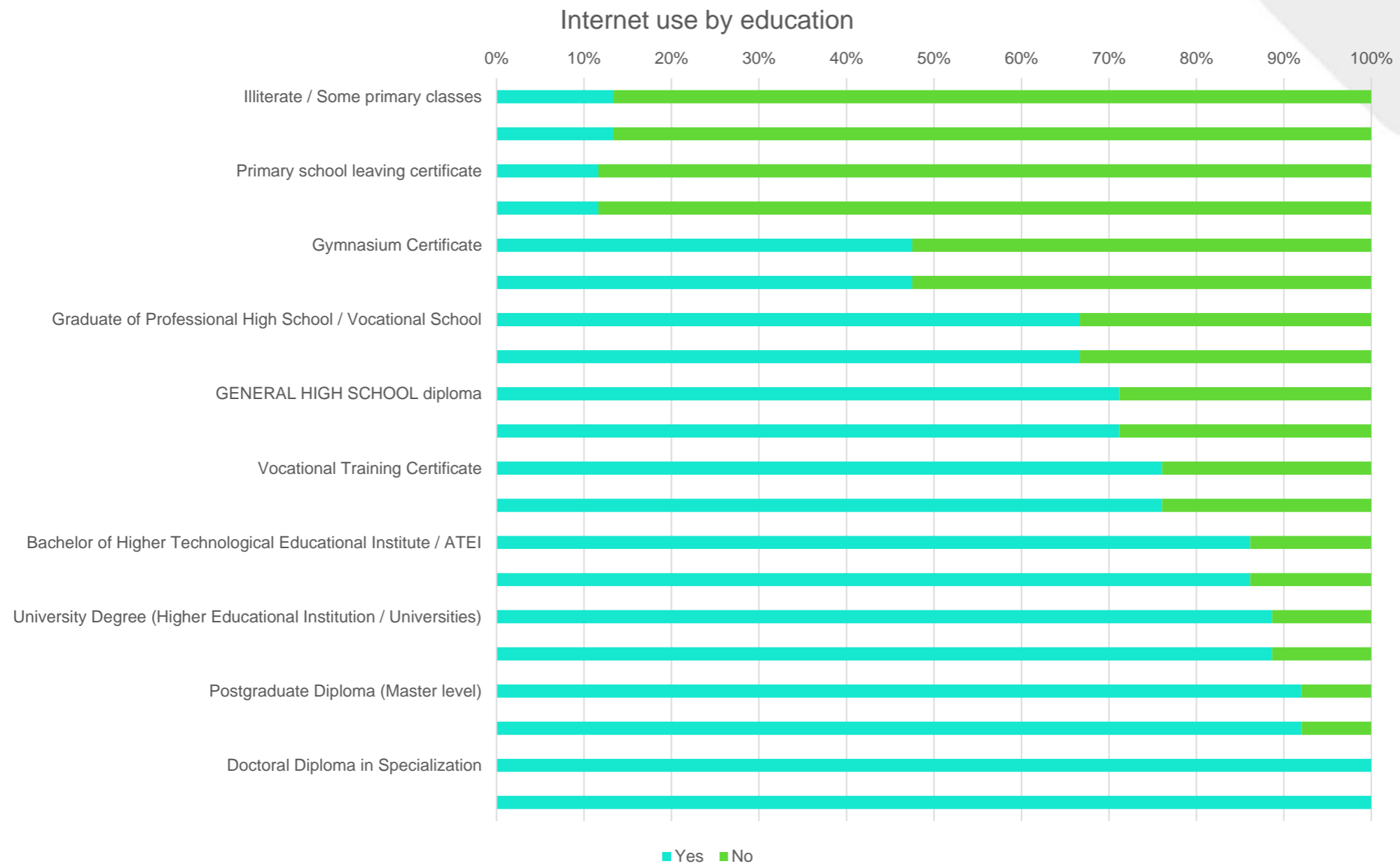
WIP-GR: Internet Use



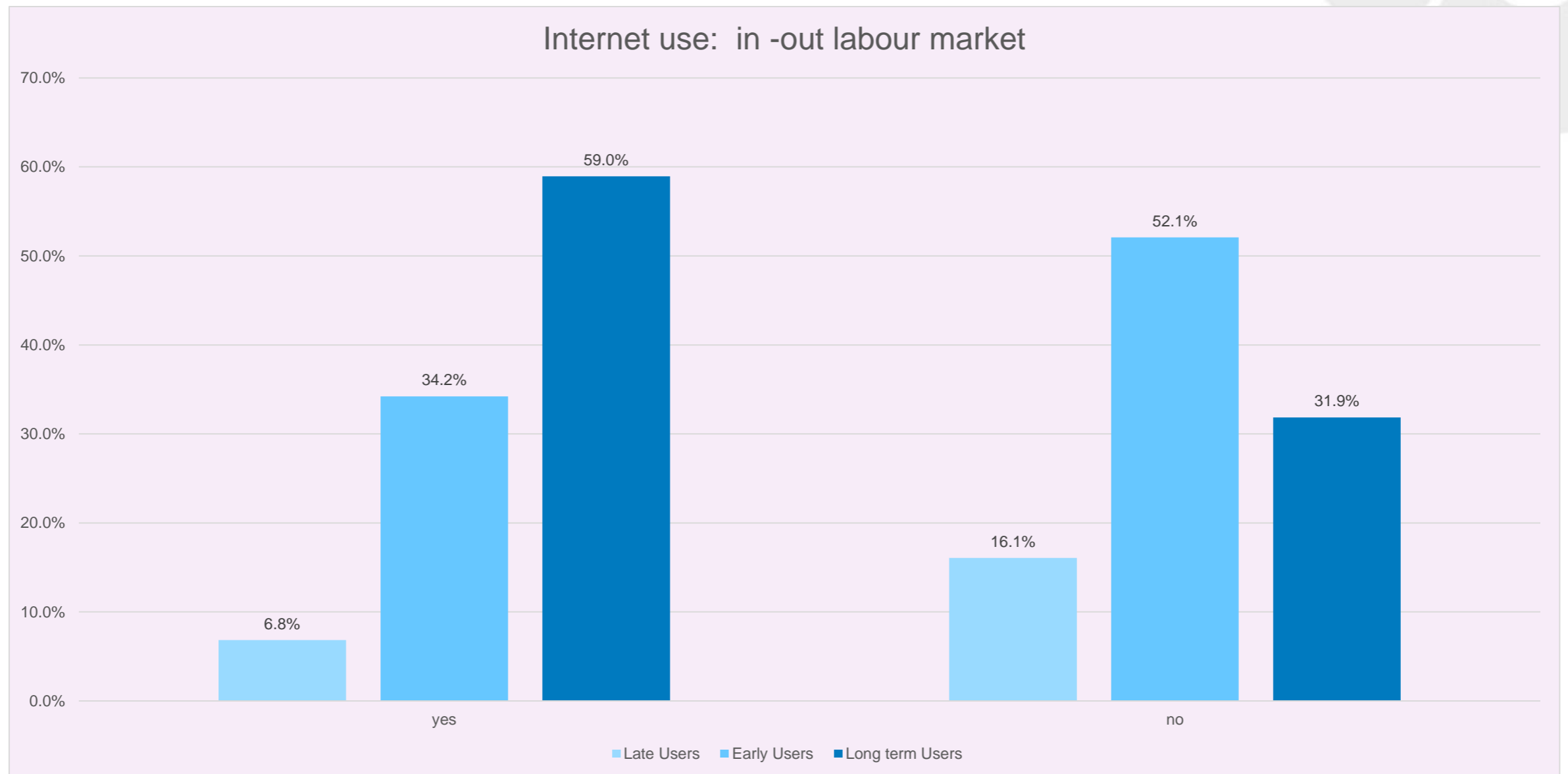
WIP-GR: Internet Use by Age



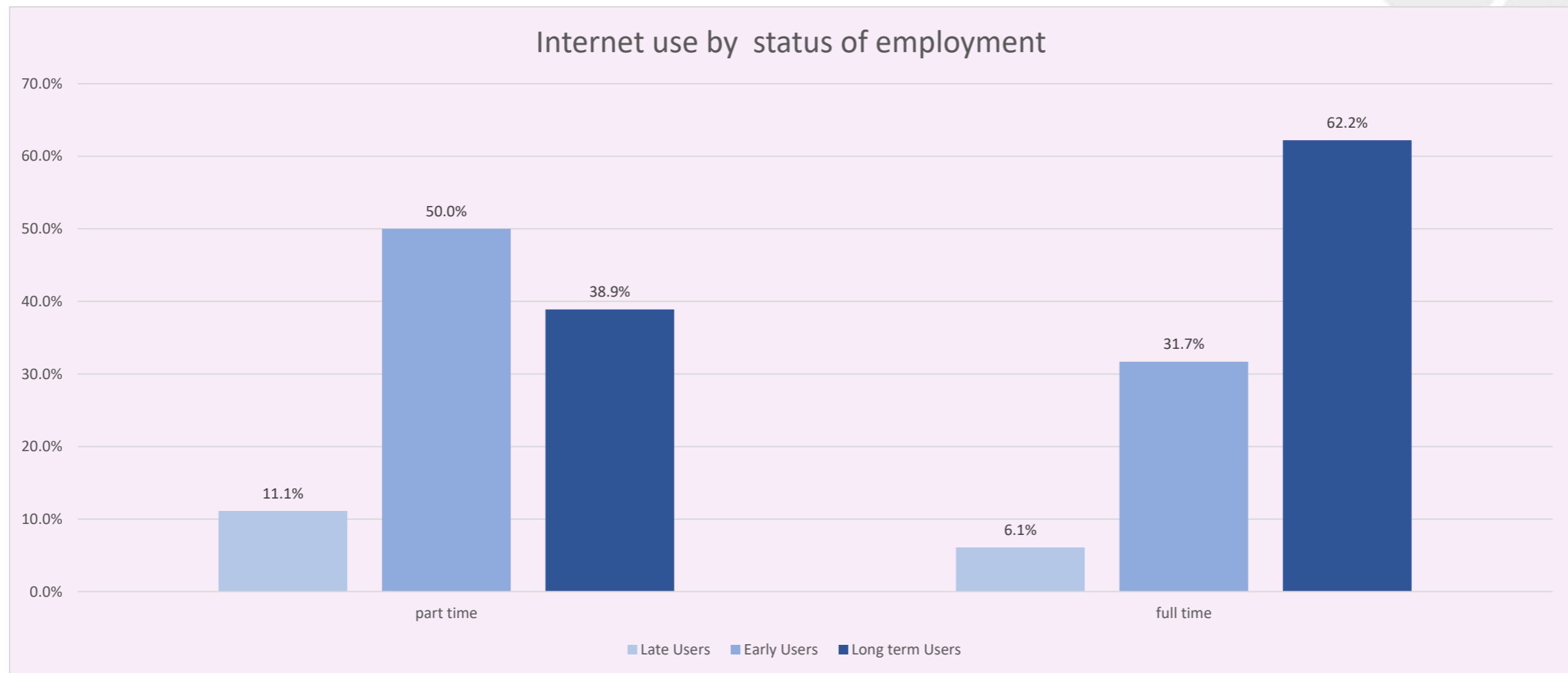
WIP-GR: Internet Use by Education



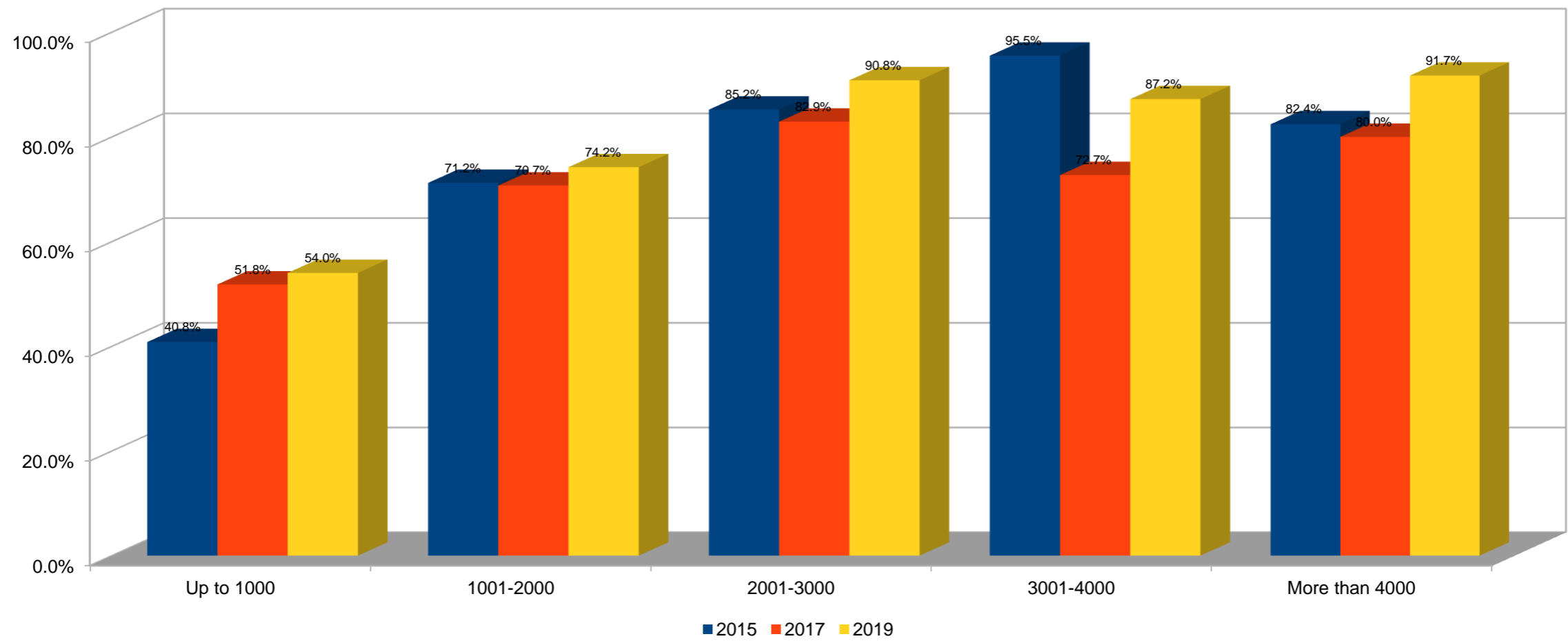
WIP-GR: Internet Use in - out labour market



WIP-GR: Internet Use by Status of Employment



Internet use by income





Questions

 cessda.eu  [@CESSDA_Data](https://twitter.com/CESSDA_Data)





Thank you for listening!



cessda.eu



[@CESSDA_Data](https://twitter.com/CESSDA_Data)

